

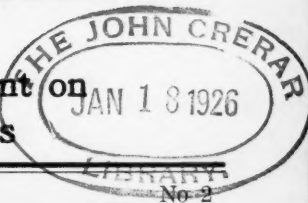
DRUG & CHEMICAL MARKETS

Established 1914

A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XVIII

NEW YORK, JANUARY 13, 1926



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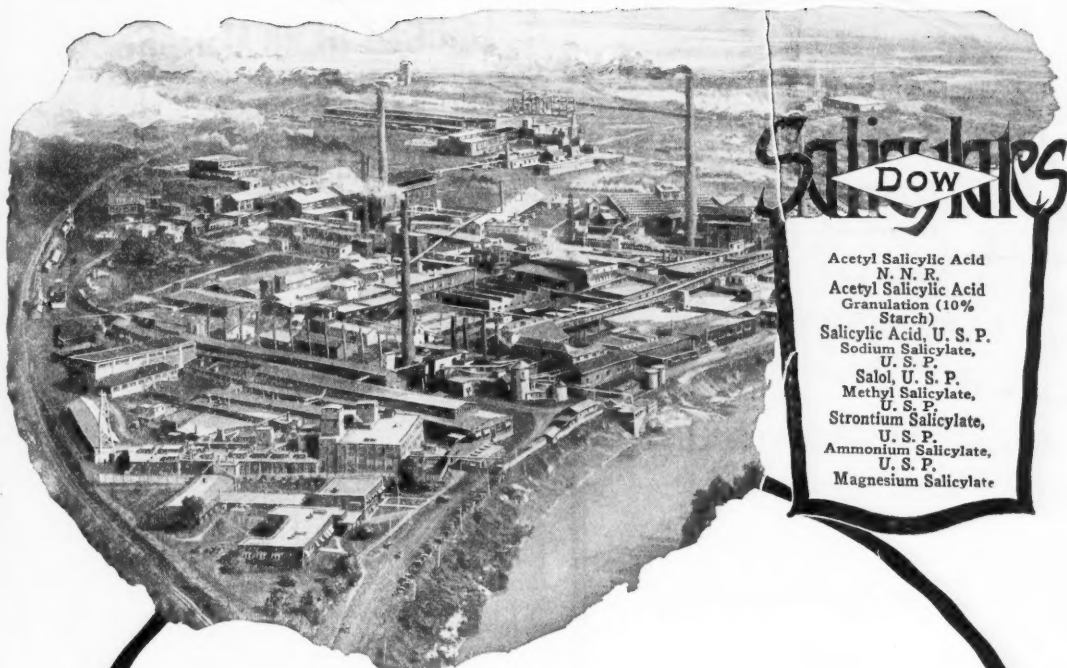
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VOL. XVIII

No 2

Table of Contents

EDITORIALS	83
Monopolies	83
No Reflection on the Perfumery Trade	84
Importing and Speculation	84
TEN YEARS AGO	84
FEATURE ARTICLES	
Java Meets Cinchona Overproduction	85
Simplified Practice Aids Drug Trade	87
Methanol Attracts New German Interest	93
Cold Versus Heat in Chemical Industry	103
TRADE NEWS	88
WHO'S WHO	90
FINANCIAL NEWS	91
Chemical Stock Quotations	91
Foreign Exchange	91
Foreign Trade Opportunities	92
New Incorporations	92
MARKET REPORTS	
Accelerators	100
Albumens	100
Clays and Fillers	100
Coal-Tar Crudes and Intermediates	96
Colors and Pigments	100
Crude Drugs	106
Dye and Tan Woods	100
Essential Oils, Aromatics and Vanilla Beans	108
Extracts	100
Fatty Oils	98
Fertilizer Materials	101
Fine Chemicals	104
Heavy Chemicals	94
Insecticides and Fungicides	101
Metals	101
Naval Stores	102
Starches, Dextrins and Sizes	102
PRICES CURRENT	
Chemicals	110
Crude Drugs	129
Essential Oils	134
Fatty Oils	128
IMPORTS OF CHEMICALS AND DRUGS	138
PATENTS	102
INDEX TO ADVERTISERS	149

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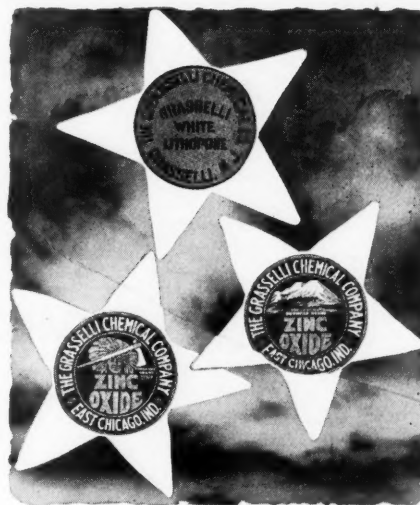
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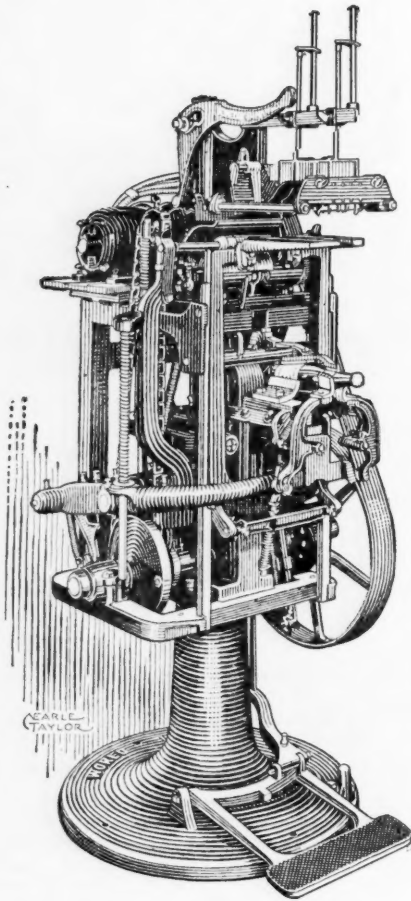
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VOL. XVIII

NEW YORK, JANUARY 13, 1926

No 2

Monopolies

Here are some fundamental facts which that serious student and keen analyst of business, Herbert Hoover, assuredly knows:—A score of strong economic forces are loosed against every monopoly the very moment it is formed; and unless it is bulwarked by the Law against these attacks, or nourished by some rich gift of Nature, sooner or later it will be destroyed.

A patent is a temporary legal monopoly—a sort of public bonus to stimulate progress. The Government monopolies in matches, tobacco, salt, and the like exist for revenue purposes and persist only because the people prefer such indirect taxation.

Of quite a different character are the monopolies in Chilean nitrates and German potash, the result of great deposits of valuable mineral salts not found elsewhere in commercial quantities. In agricultural products the year's crop is the year's supply, which while it varies from year to year cannot be increased or decreased until another season's harvest. For this reason agricultural products lend themselves naturally to the establishment of brief, seasonal monopolies, and the Kentucky night-rider who tramples on young tobacco plants, the farm paper editor who preaches restricted acreage of low priced crops, the speculator who essays a corner in the Wheat Pit are all manipulating these seasonal monopolies.

Certainly Mr. Hoover appreciates the economic distinctions between the monopolies in nitrates and in rubber. He knows the difference between a Nature-given control of the supply of a mineral and the control of an agricultural market built up after a great investment in research and land and labor. He knows the inherent

distinctions in the character of these two types of monopoly and he knows too, the different effect upon world trade and upon prices exercised by each. We suspect his economic theory is sound.

But Mr. Hoover is a thorough-going American and his theories of the relationships between Government and Business are American. If he had a British or a German theory of political economy he would use the influence of his office to aid and support the peppermint farmers (to pick out a current example) to secure the maximum return for their crop. Being an American, we suspect that he might be a bit embarrassed to receive from the British Government a request for an investigation by its agents of the high price of American oil of peppermint. Yet upon the basis of price advance alone the drug merchants of Mincing Lane have just as much reason to petition Parliament for relief as the tire makers of Akron have to call upon Congress.

Obviously there are monopolies and monopolies, and it is evident that all controls of raw materials cannot be considered in sweeping generalities, nor corrected by a formula of investigation. It is quite by chance that a most interesting analysis of the quinine control in the Dutch East Indies has come to our desk this week from our correspondent in Java. His facts and figures chart out, for all to study, some of the very winding paths along which the quinine monopolists are struggling. With chemicals actually cutting deep into quinine demand, it requires less constructive foresight than our Secretary of Commerce has often displayed to visualize synthetic rubber soon to play the familiar role of indigo, celluloid, and rayon.

NO REFLECTION ON THE PERFUMERY TRADE

The legitimate perfumery trade is not in any way injured by the exposure of the manufacturers who diverted the alcohol for which they had permits to bootleggers for sale as liquor. It has been well-known in the perfumery and drug trade that many firms and corporations which sprang into existence after the Volstead Act was passed were organized for that purpose only. The defense they offer to the charge is amusing. "Why," said one, "we sell perfumery to some of the largest department stores in New York." That is probably true. They cover up the crooked game in just that way. They would not dare to turn all the alcohol to bootleggers.

The defense which they offer does not meet the issue. The Government does not make a general charge, but will offer evidence of specific instances where the alcohol was diverted. Some legitimate business was necessary to conceal the real purpose in obtaining large quantities of alcohol every month. Otherwise no inspector would be able to report favorably on the applications of these wolves in sheep's clothing. The sales of high-class perfumery during the Holidays just passed have been larger than ever, and the reputation of legitimate manufacturers is not affected by the rascality of pretended perfume makers whose only purpose is to get rich quick by supplying the demand for liquor rather than conduct an honest business at fair profit.

IMPORTING AND SPECULATION

The position of the importer has more nearly approached that of the domestic manufacturer during the past year than at any time since the war. Over-production with its resultant sharp competition has forced domestic makers to sell more and more direct to consumers.

But the position of the importer has been different up to the present time. Foreign goods have been brought into this country and sold to dealers and speculators who made fairly large profits by reselling the goods. But speculation has been gradually removed from these items and during the past year enough remaining products have returned to a sane, steady price basis so that today the importer's position is practically identical with that of the domestic producer in that he is selling more and more direct to the consumer for shipment or from the warehouse.

Many factors have contributed to bring this condition about. Oxalic acid and potassium chlorate have been taken out of the speculative group by advances in duty; sal ammoniac by lower ammonia prices; prussiates by large domestic production at low cost; barium chloride by lower domestic prices. Importing has now become a straight merchandizing proposition, and as such should appeal to the American consumer.

Obviously, more direct dealing is to the advantage of the consumer, for the simplification of any merchandizing process means economies in time and costs. Moreover, there are plain and easily

understood advantages to sellers in closer contacts with the actual users of their goods. Such thoughts as "Keep the plant running and let the sales department worry" among manufacturers and among importers "Let's bring in this lot of cheap goods, surely we can sell it later at a price" are discouraged by better knowledge of the consuming demand. Thinking along those lines has done much to keep up over-production and speculative importing, a pretty pair of market disturbers.

"The violent fluctuations and differences in values, in peppers especially, during the second half of 1925 might easily have given rise to serious and expensive differences between traders had not the strong influence of the Trade Organization (American Spice Trade Association) been exerted, more in a preventative than in a corrective role, to steady the matter of deliveries, etc., and to make trading easier and safer." This statement appeared in a review of the year 1925 issued by one of the brokers in spices and furnishes another example of the value and scope of the trade association that functions as it should. This particular organization has long practiced arbitration among its members and its influence over them is sufficient to reduce their differences to a minimum. More power to all such trade associations.

Ten Years Ago

(From "Drug & Chemical Markets," Jan. 12, 1916).

E. Fougere & Company, of New York, importers of French and English proprietary medicines, have added their petition to those of Charles C. Crittenton Company of New York and H. Planten & Son of Brooklyn for an injunction to restrain the Department of Health of New York City from enforcing the formula disclosing ordinance, which became effective December 31, 1915.

H. R. Lathrop & Company have enlarged their quarters by the addition of a six-story building at 110-116 Beekman street, New York.

Consumer demand in 1915, as indicated by retail sales in drug stores throughout the United States, increased almost 12 per cent over 1914, and collections improved materially.

More than forty trades now seriously affected by the loss of German aniline dyes as a result of the war were represented January 5 at a meeting held in New York.

Limited offerings of peppermint oil, as a result of small spot stocks tended to strengthen the market. Holders advanced quotations 5c to \$1.95@\$2.00 a pound for supplies in tins.

Chemical manufacturers have again been forced to advance the price of all mercurial preparations following another increase of \$10 in the cost of quicksilver, approximating a gain of \$20 for the last month, quicksilver now being quoted at \$160 a flask.

From information gleaned in Washington it would appear as though the prospects were exceptionally favorable for the securing through the Office of the Foreign Trade Advisers of a permit from the British Foreign Office guaranteeing the unmolested shipment of a large quantity of cyanide of sodium consigned to Roessler & Hasslacher Chemical Company of New York.

Java Meets Cinchona Overproduction

Dutch Monopoly Restricts Amount Harvested and is Turning Part of Area to Tea Cultivation

By K. R. F. BLOKZEYL, Buitenzorg, Java

The steady increase of areas under cinchona cultivation in Java and Sumatra is causing the Dutch East Indian production more and more to surpass the world's requirements. The latest annual report of the Government Cinchona Estate, which appeared recently, announces an output of 858,157 kilos of dry cinchona bark for the year 1924; the proportion between wet and dry being 100 to 38, as in 1923. Of this quantity 191,245 kilos were sent to the Bandoeng Quinine Factory, 104,557 kilos were sent to Amsterdam, 240 kilos were sold in the D. E. Indies, and 562,115 kilos were in stock on the estate at the end of the year. In 1923 the output was 975,211 kilos, or 117,054 kilos more than the crop of the year under report.

The low figure for the 1924 crop is considered an abnormal one, in as much as this figure does not truly represent the quantity of bark which could be gathered under normal circumstances from the area under cultivation at the present time. As in the previous year, the amount used remained below the normal production, as the following data shows:

	Production kilos sulf. quinine	
	Normal	Actual
1923	60,000	52,586
1924	61,700	47,413

For this reason it seemed advisable to reduce the output of factory bark as much as possible. The same line of action has been adopted for the coming year as well, as there appear to be no signs of an increase of actual consumption of these barks. On the other hand the area planted with cinchona continues to increase to a considerable extent in Java as well as in Sumatra. For this reason, and principally because of the cultivation being worked on a more intensive scale on many estates, the normal figure for the total production of this Colony is far higher than it was ten years ago.

On account of necessary crop restriction, many estates are now obliged to gather such small quantities of bark as to render impracticable the further development of the plantations. As shown by the above returns, the normal production for 1924 of the Government Cinchona Estate was estimated at 61,700 kilos of sulfate of quinine. The crop actually harvested, however, yielded only 47,654 kilos, which means a curtailment of more than 14,000 kilos of sulfate of quinine. It stands to reason that the large quantities of bark which are thus left to accumulate must prove detrimental to a healthy development of the estates.

The limitation of the crop on the Government Cinchona Estate was realized chiefly by harvesting only the undergrowth in older gardens, and by cutting exclusively

from diseased trees, while the normal way of harvesting was restricted to the new gardens only, and was effected by means of pruning and thinning out. A small portion of the crop was likewise obtained by clearing a few Ledgeriana plantations which no longer yield well. The crop of 1924 consisted of 826,970 kilos Ledgeriana and Hybrid barks with an average content of 5.68% of sulfate of quinine, and 31,187 kilos Succirubra and Robusta barks with an average content of 3.12% of sulfate of quinine, whereas in 1923 the crop amounted to 611,530 kilos Ledgeriana and Hybrid barks of 5.82% and 363,681

kilos Succirubra and Robusta barks of 3.29% of sulfate of quinine. Of the Succirubra barks a quantity of 11,307 kilos was prepared and forwarded as pharmaceutical bark, which found a ready market at advantageous prices.

The content of parcels of factory bark from the 1924 crop varied from 8.6% to 2.1%, the former corresponding to a parcel of Ledgeriana branch-bark from the Riung Gunung division of the estate, the latter to a parcel of Hybrid root-bark from the Tjinjiruan division. The following table shows the yearly output of factory bark for the last five years:

	Total output kilos	Average content	Total output of sulfate of quinine
1924	846,850	5.63	47,654
1923	946,645	4.96	46,926
1922	974,830	4.96	48,370
1921	1,201,035	4.79	57,529
1920	1,131,035	5.29	59,935

Whereas sales effected during 1924 amounted only to 41,413 kilos of sulfate of quinine, it follows that the production of factory bark still exceeds the consumption by 6,300 kilos of sulfate of quinine, notwithstanding the considerable crop restriction. Likewise, on account of the prevailing large stocks of barks at the Government estate, still more radical measures will have to be taken in order to limit crops to yet a greater extent. The total production of the Government Cinchona Estate during the last five years, including pharmaceutical barks, follows:

	Total output kilos	Average content	Total output of sulfate of quinine	
1924	858,157	5.59	47,939	Crop restric-
1923	975,211	4.88	47,584	tion, owing to
1922	982,412	4.94	48,545	the small tak-
1921	1,201,335	4.79	57,537	ing over.
1920	1,131,435	5.29	59,945	

In view of the present interest in foreign monopolies developed in this country by high prices of rubber and statements made in reference thereto by Secretary Hoover, this outline of some of the difficulties met by one such monopoly is most timely. The quinine monopoly in Dutch East Indies is a hand-made monopoly rather than a natural one and those who were responsible deserve much credit for its development. Even with such close control as is possible under such conditions, evidently all is not fair sailing for the impugned foreign monopoly.

The total area under *C. Ledgeriana* (seedlings and graftings) for 1924 was 831.72 hectares, whereof 751.78 hectares were producing.

On account of the very uncertain prospects in the cinchona industry, the Dutch East Indian Government has considered it inadvisable to rest the financial results of the "Tjinjiruan" estate solely on the cultivation of cinchona. Hence the provisional budget for 1927 provides a sum of fl. 90,000 for a proposed plan of joining a tea estate to the Government cinchona plantations in Java. Since, during the last few years, conditions, instead of improving, have grown worse, it seemed advisable to make other use of the cleared land and reserve-grounds of the Government Cinchona Estate. And since in Pengalengan (on the plateau of Bandoeng) where this estate is located, the cultivation of tea yields most satisfactory results, it seemed a good policy to turn to this industry at this particular time. During the years 1927-1932, therefore, a sum of fl. 813,000 will probably be devoted to establish a complete tea estate, measuring 700 bouws or 1,235 acres and including a factory.

WOULD REDUCE GOVERNMENT EMPLOYEES

Washington, Jan. 10.—Representative Dovey, Ohio, has introduced a bill, authorizing the President to appoint a board which shall be empowered to advise the President as to unnecessary and useless employees, officials, bureaus and commissions, and giving him power to remove them. Explaining his purpose Mr. Dovey said:

"For seven years, I have observed the Departments and Bureaus of the Government at Washington at close range, having had official business with nearly all of them. I am simply appalled at the loafing, indifference and inefficiency. There are thousands upon thousands of unnecessary employees and endless duplication of alleged effort. There is an inexcusable waste of much more than a half billion dollars a year.

"According to the reports of the United States Civil Service Commission, there were 544,671 civilian employees of the Government on Dec. 31, 1923. On June 30, 1925, there were 564,718 employees—an increase of more than 20,000 in a year and a half. The tendency is to increase, rather than to diminish, the personnel and expenses of government."

NEW TELEPHONE WORK TO COST \$28,000,000

The 1926 construction program of the Long Lines Department, American Telephone and Telegraph Co., contemplates plant construction to cost more than \$28,000,000. Plant costing approximately \$19,000,000, was constructed in 1925.

The proposed expenditures for plant construction during 1926 are divided among various projects about as follows:

Aerial wire, including new pole lines....	\$ 5,160,000
Long distance cables with associated pole lines, loading coils, buildings and equipment	11,200,000
Switchboards and other telephone and telegraph equipment	8,130,000
Line work not included in the aerial wire and cable projects	3,860,000

The new facilities will provide for increases in long distance telephone traffic and will also make it possible to furnish more dependable and faster service.

Dr. Frederic C. Gray, head of Gray Electro-Chemical Laboratories, Bayonne, N. J., and inventor of the "death-ray" revolver, is held at Jersey City Hospital for observation, having flourished a revolver in the office of Dr. Bert J. Daley, Director of Public Safety, Bayonne.

GIVE WATCH TO HARRY W. COLE

Members of the Insecticide and Disinfectant Association recently presented a watch and chain to Harry W. Cole, secretary of the association, who has acknowledged the gift saying:

"It is perhaps needless for me to say that this beautiful token of your regard will ever be held by me in the highest esteem and treasured as evidence of a friendship which I value most highly. Again let me thank you, from a heart full of gratitude, for both the gift and the generous impulse which prompted it. I hope you spent a very pleasant Christmas and that the New Year will be one of great happiness, good health and prosperity for you and yours. I thank you for your gift."

The watch is a Gruen Verithin, seventeen jewels, with a fourteen karat case. It is a masterpiece of the watchmakers' art. In addition to the initials neatly engraved on the back, the lid of the inner case bears the inscription "Harry W. Cole, in appreciation of valuable service, Insecticide and Disinfectant Manufacturers Association."

Mr. Cole is also vice-president of Baird & McGuire, Inc., Holbrook, Mass., and was formerly Director of Disinfectant Sales for The Barrett Co.

NICHOLS MEDAL AWARDED TO DR. LIND

The Nichols Medal in chemistry for 1925 has been awarded by the New York Section of the American Chemical Society to Dr. Samuel Colville Lind, Associate Director of the U. S. Fixed Nitrogen Research Laboratory, Washington, and an internationally known worker in the sources of radium.

Dr. Lind was assistant in chemistry in the Massachusetts Institute of Technology during 1902-1903. In 1905 he went to the University of Michigan as chemistry instructor, later becoming assistant professor of general and physical chemistry. In 1913 he was made chemist in radioactivity, U. S. Bureau of Mines, in 1918 physical chemist, and in 1923 chief chemist of the U. S. Bureau of Mines. He invented the Lind interchangeable electroscope for radium measurements and originated the ionization theory of the chemical effects of radium rays.

Romulus R. Colgate, a director of National Lead Co. and other corporations, died at his home, Filston, Sharon, Conn. He was sixty-seven years old. Mr. Colgate was born on June 9, 1858, in New York City, and attended Columbia University. Mr. Colgate began his business career the year he left college, entering the firm of Robert Colgate & Co., which, with Atlantic White Lead and Linseed Oil Co., was owned by his father. In 1884 the latter company was incorporated and Robert Colgate & Co. passed out of existence.

Joseph F. Musselman, consulting engineer, died on Wednesday, Jan. 6 at his home in Bronxville, N. Y., at the age of 47. He was consulting engineer in the Government's Muscle Shoals work.

Union Asbestos & Rubber Co., Chicago, will soon break ground for a new plant to be one story, 80 x 326 ft., estimated to cost in excess of \$90,000, including equipment.

Simplified Practice Aids Drug Trade

Committees Representing Manufacturers, Wholesalers and Retailers are Studying Simplification of Containers and Catalogs—Wastes Curtailed, Markets Broadened and Profits Increased

By E. L. PRIEST,
Division of Simplified Practice,
U. S. Department of Commerce

THE skirmish line in the war on wastes arising from too much variety has just begun to reach the zone affecting the chemical and drug industries. As a result, merchandising groups in this field are watching the developments with keen interest, hopeful that they will soon be able to reap benefits from greater flexibility and uniformity of display, greater elasticity in the use of packing equipment and warehousing space, reduction in stock investments and requirements, in the handling and accounting effort, and the minimizing of misunderstandings between them and the manufacturer on the one hand and the consumer on the other.

While there have been a number of container groups which have sought the aid of the Division of Simplified Practice in weeding out excessive or unnecessary varieties, there is still a wide opportunity. Several of the programs developed by industries producing containers of one sort or another have been carried on by the manufacturers themselves. All these have been a step in the right direction, but have been subjected to the suspicion on the part of other elements of something being put over on them, or without their having had a part in it.

One outstanding ray of light in the situation, as it applies to the drug and chemical trade, is in the fact that the three branches of the drug trade have taken steps toward the simplification of containers and the simplification of catalogs; and that three committees, representing manufacturers, wholesalers and retailers, have been named to survey the possibilities. These are working in co-operation with the Division of Simplified Practice, and it is hoped that their studies may result in definite conclusions within a short time.

Steel Drum Simplification

Another measure of hope, has come from the reduction of sizes of steel barrels and drums from 67 to 24. In this connection it is interesting to notice that production of these articles for the first five months of 1925 showed an unusual adoption of the simplified lines in a short period of time. The figures showed that 84% of the barrels and drums produced after the Simplified Practice Recommendation went into effect were made in the simplified sizes, and that only 16% had been put out in the obsoleted and non-standard sizes.

Because of the importance of packing costs, it is of equal interest to note a recent action by the manufacturers of agricultural insecticides and fungicides to reduce their package sizes by 50%, an action which will become effective on May 1, 1926. And while not so directly a matter affecting expense to the drug and chemical trade, the adoption by the box board and allied industries of a program simplifying material for boxes and cartons used for the shipment of certain types of

chemicals, is likewise a matter of potential economies in packing, handling and transportation costs.

Work on Bottles and Jars

The proposed simplification and standardization of glass containers in drug and chemical fields has a precedent in one of the early groups to receive the co-operation of the Division of Simplified Practice—the milk bottle industry. The adoption by a general conference of all these interests of a program to reduce the 49 variations to 9, and to replace 29 different sizes of tops by one, has been very generally satisfactory. In fact, the groups affected by this program have reported that only a very small proportion of bottles ordered are other than the "recognized sizes" adopted by this conference.

Other programs which are being carried on with the co-operation of the Division which affect the interests of the drug and chemical trade are: Warehouse forms: purchase order, inquiry and invoice forms; paper bags and office furniture. And in another field of chemistry, the efforts of the fertilizer industry are being directed toward three possibilities of reduction of excessive variety; reduction in the low strengths, reduction of brands and in the varieties of packing.

The results from other industries where Simplified Practice has been applied have furnished the evidence that "the proof of the pudding is in the eating," for leaders in nine groups which have achieved this step estimate their annual savings at \$293,000,000.

Simplified Practice offers a great opportunity for savings to the chemical and drug industries, where it can effect such results as wastes curtailed, markets broadened, and profits increased.

Among the wide range of tangible results already accomplished are:

Item	Reduction in Varieties	
	From	To
Vitrified Paving Brick	66	4
Metal Lath	125	24
Asphalt (Penetrations)	88	5
Rough and Smooth Face Brick	75	2
Common Brick	44	1
Woven Wire Fence Packages	202	138
Milk Bottles and Caps	75	10
Lumber	Standard Nomenclature grades and sizes for softwood lumber	
	665	351
Forged Tools		
Asbestos Paper. Sizes, Widths, Weights of Rolls	14	8
Steel Barrels and Drums	66	24
Brass Lavatory and Sink Traps	1114	72
Hospital Beds		
Length	33	1
Width	34	1 standard 2 spec'ls
Height	44	1
Commercial Purchase Forms	Thousands	
Insecticides & Fungicides (Packages)	38	21
Paper Bags	6280	4700
Box Board	244	60
Grinding Wheels	715,300	255,800
Tacks and Nails (Sizes)	428	181
Packing Weights	423	121
Shovels, Spades and Scoops	4,460	384

GERMAN INDUSTRY BUSY WITH CONSOLIDATIONS AND RESEARCH

Adverse Economic Conditions Result in Exceptional Activity and Optimistic Plans Centered Upon Motor Fuels, Solvents, Fertilizers, and Synthetic Petroleum Products, According to W. T. Daugherty, Trade Commissioner to Berlin, Department of Commerce

High taxes, money rates from 12% upwards, heavy shipping costs, make an adverse economic basis for all German industries and, according to W. T. Daugherty, special agent of the Department of Commerce, stationed at Berlin, who is now in the United States, the chemical industry is meeting these conditions in a typically painstaking, foresighted way.

"Except for the chemical and metallurgical industries," said Mr. Daugherty to a representative of "Drug & Chemical Markets," "the German industry is not in as good shape as it was a year ago. In research and consolidation, these industries have found the solution to an extremely difficult industrial problem. During the Fall non-employment in Germany has increased one-half million men, but the chemical industry is busy.

"American chemical leaders, with whom I have talked, have keen interest in synthetic solvents, the new fertilizers, and the experimental work on carbides. All of these are today accomplished facts. In nitrogen fixation, the Haber process is producing some 400,000 metric tons of fixed nitrogen, about 80% of Germany's production, an output which turned into the sulfate amounts to the astonishing total of 22,000,000 tons. Furthermore, at the Oppau Works, 60 tons daily of synthetic urea are being produced and marketed in the name of Floranide, B. A. S. F. Both synthetic methanol and butanol are commercial facts, and there are plenty of stories current that synthetic ethyl alcohol has been produced experimentally and will be produced commercially within a very short time.

Soon, I look for important developments in synthetic petroleum products. Bergin oil from coal for lubricants, has also a theoretical recovery of 15% of gasoline. Cheaper, more efficient motor fuels, probably some blend of synthetic solvent and benzol are imminent. Both of these problems press close upon Germany, due to her lack of domestic petroleum supplies. In this connection, it is interesting to speculate on the co-operative research work on the distillation of lignite, which may grow out of the share of nineteen million marks out of a total capitalization of fifty million marks, which Badische acquired a few months ago in the Stinnes-Riebeck Corporation. These people control great lignite supplies; Badische obviously is well equipped with chemical technicians available for this research.

"I have noted with keen interest the comments of "Drug & Chemical Markets" on the revolution through which the chemical industries of the world are undoubtedly passing, and in my conferences with chemical industrialists in this country, I find, I am happy to say, a keen appreciation of the radical changes through which applied chemistry is passing and a very just understanding that their future development depends fundamentally upon foresighted, careful research."

Maj. Gen. Amos A. Fries, chief of the Chemical Warfare Service, will speak on Chemistry in Peace and War at a dinner of the Reserve Officers' Association, to be held in New York Jan. 15.

Blocker, Gregory Co., Providence, R. I., have moved their offices from Woolworth Building to Turk's Head Building in Providence.

FIND SUBSTITUTE FOR MERCURY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Boston, Jan. 11—Announcement of the discovery of a substitute for mercury for use in mercury boilers was made before the Alumni Association of the Massachusetts Institute of Technology. Dr. Charles H. Herty declared that the finding of the new chemical will stand out as one of the most important discoveries of the age. He refused to divulge the name of the substitute or reveal the place where the experiments leading to its discovery have taken place.

Dr. Herty, who is president of the Synthetic Organic Chemical Manufacturers' Association, said the substance has been thoroughly tested for the last two months and showed no trace of decomposition when exposed to high temperatures.

JAMES ALEXANDER ON 1926 BUSINESS

Factors influencing business in 1926 were discussed by James S. Alexander at the meeting of stockholders of the National Board of Commerce, New York, on Tuesday, Jan. 12. He said in part:

"The past record of high profits and general well-being is gratifying, but the important consideration today is what may be expected in 1926. The course of American business in the year just beginning will depend on many factors, chief among them being the outlook for export trade, agriculture, the railroads and building and construction. Interacting with all these influences and in turn responding to them will be the course of money rates.

"Despite continued uncertainty in some countries, the international financial and exchange situation continued to improve in 1925. World trade is now about at pre-war levels and there are good grounds for confidence in further gains during 1926. The restoration of exchange to a gold basis in Great Britain, the British Dominions and the Netherlands was the outstanding development of 1925, and steps in the same direction by several other nations are rapidly bringing to a close the postwar era of sharp exchange fluctuations.

"The foreign commerce of the United States made good gains in 1925, with little change in its essential character. The excess of exports over imports which was materially lower than in 1924, was much more than covered by the huge volume of foreign loans floated in the American market. It is believed in some quarters that the time is not far distant when our so-called favorable balance of trade will entirely disappear, but examination in detail of returns for the year just closed shows that, regardless of how good the logic of this belief may be from the long-run viewpoint, such a conclusion is premature. The higher price of raw rubber and importation of a larger quantity were alone sufficient to account for the entire apparent decline in the export balance."

Merchandising and distribution problems are among the chief topics on the program of the Nineteenth Annual Convention of the National Canners' Association, which will be held at Louisville, Ky., during the week of Jan. 25. The annual meetings of the National Food Brokers' Association and the Canning Machinery and Supplies Association will be held in Louisville at the same time.

The Bureau of Supplies and Accounts, Navy Department, Washington, will receive bids on Jan. 19 for 24,000 wine gallons of Grade C alcohol for the Norfolk Navy Yard and 8,000 wine gallons of ethyl alcohol for the same yard.

AUSTRALIAN MARKET FOR MEDICINALS

The manufacture of prepared medicines in Australia is a rapidly expanding industry being about double the import business. A large number of foreign manufacturers have found it preferable to establish branch plants or to license local firms to manufacture their goods, there being a tariff of 40 per cent or 30 per cent on prepared medicines, the preferential rate being for British goods. The use of crude drugs and herbs is very limited and is decreasing, according to Assistant Trade Commissioner E. G. Pauley, Melbourne.

The wholesale drug house is the principal medium for distribution and foreign manufacturers generally find it more satisfactory to sell through a few of them, rather than to set up their own distributing agencies. Patent and prepared medicines are readily accepted by the Australians, especially in the "outback" districts where medical service is not readily available. The principal advertising media, aside from window displays, are the local newspapers and periodicals. The most prevalent diseases are diphtheria, scarlet fever, tuberculosis, and cancer. Tropical diseases are not very common. Colds are quite apt to prevail on account of the dampness of the southern part, and there is also a good demand for eye-lotions in districts where the sandflies are troublesome, preparations for gastric and rheumatic complaints, dysentery remedies and products for combating asthma. Packaged goods are required to show the ingredients with the amount present in the normal adult dose.

Canada's total imports of chemical and allied products (exclusive of aluminum and electrolytic zinc), during 1925, amounted to \$24,760,000 and her exports, to \$16,209,820. Of these imports, 66 per cent were purchased in the United States, and the remainder in Europe mainly.

Dr. Dayton C. Miller's paper on "The Michelson-Morley Ether Drift Experiment" was recently awarded the \$1,000 prize of the American Association for the Advancement of Science. Dr. Miller is professor of physics at the Case School of Applied Science, Cleveland.

Charles Simon has been elected treasurer of National Lead Co. and H. G. Sidford a director. The latter has also been made manager of the Atlantic branch. Mr. Simon succeeds Fred R. Fortmeyer and Mr. Sidford succeeds George W. Fortmeyer, both resigned.

The following articles have been decreed free from duty by the Dutch East Indies Government; chloroform used in extraction; sulfuric acid used for refining kerosene and preparation of products prepared from kerosene; and casein, borax, barium chloride and copper sulfate used in the manufacture of triplex cases.

A report is current in Berlin that Interessengemeinschaft der Farbenindustrie Aktiengesellschaft (the new dye syndicate) is making an arrangement with E. I. du Pont de Nemours & Co. for an exchange of patent rights and research work.

Federal Products Co., Cincinnati, has issued the sixth edition, January 1926, of their booklet "Alcohol for all authorized purposes." It lists among its contents a resume of the alcohol regulations and a tabulated list of special formulae.

Monsanto Chemical Works, St. Louis, supplied more than thirty-six different industries with fine, medicinal, technical and intermediate chemicals during 1925.

A. KLIPSTEIN DEAD AT 77

August Klipstein, pioneer dealer in chemicals and dye-stuffs in this country, head of A. Klipstein & Co., 644 Greenwich st., died Friday night of heart disease at his home, 378 West End ave. He was born in Germany 77 years ago. After completing his studies in France and England he came to New York in 1873. He left a widow, Hedwig Klipstein; a daughter, Louise, and two sons, August Jr. and Herbert C. Klipstein. Services were held at the residence at 2 o'clock Monday afternoon.

The Board of Trustees, University of New York, University Heights, New York, will build a chemistry building on the University Campus, estimated to cost about \$500,000, with equipment. McKim, Mead & White are architects.

Seydel Chemical Co., Jersey City, has prepared a pamphlet entitled "The Relative Action of Preservatives in Pharmaceutical Preparations." It consists of a concise report of various preservative tests conducted by the company.

Allowance of drawback has been made on medicinal preparations and flavoring extract manufactured by W. T. Rawleigh Co., Freeport, Ill., manufactured with the use of domestic tax paid alcohol.

Merrimac Chemical Corp., Boston, have sold the lands and buildings of Anderson Chemical Co., at Passaic, N. J., acquired by them about a year ago. The property was sold to a real estate firm for \$51,500.

Newport Tar & Turpentine Co., Pensacola, Fla., will rebuild the portion of its local plant recently destroyed by fire with loss estimated in excess of \$140,000, including equipment.

A turpentine and tar refinery together with a pitch factory have been erected near Archangel and are said to be co-operating successfully on the basis of 600 pood a day production.

Chemical trade in St. Louis during November 1925 showed an increase of 8.4 per cent over November 1924 and 3.8 per cent over October 1925, according to a report of the St. Louis Federal Reserve Bank.

Southern naval stores producers will hold the third annual meeting, March 1 to 3 at the Hotel St. Charles, New Orleans.

Norris Fertilizer Co., Rushville, Ind., is considering the construction of a new one-story addition to its plant. William Norris is general manager.

The City Council, Scottsdale, Pa., is considering plans for the installation of a new filtration plant at the municipal waterworks.

Stein, Hall & Co., announce the removal of their New York offices the latter part of January to 295 Madison ave.

Potash salts in a large way are reported to have been discovered in the Sternik region of Poland, according to the Department of Commerce.

The Board of Trustees, Ohio State University, Columbus, O., will build a new chemistry building at the institution, with laboratories, estimated to cost \$300,000.

B. F. Perkins & Son, manufacturers of textile mill machinery, Holyoke, Mass., have moved into their two new buildings in Williamsett.

GERMANY INCREASES SYNTHETIC CAMPHOR

Germany is rapidly increasing her exports of synthetic camphor, made from turpentine imported from the United States. A recent report based on the official statistics showed that in 1922, Germany exported 248 metric tons of synthetic camphor; in 1923, 607 tons; and in 1924, 722 tons. Today there are several firms engaged in the industry throughout Germany, the principal ones being the Chemische Fabrik auf Aktein vorm. E. Schering of Eberswalde, and the Rheinische Kampher und Celluloid Fabrik of Dusseldorf-Oberkassel, Germany.

Other countries have likewise entered this field and are now producing synthetic camphor. The French company, Societe Alsacienne de Produits Chimiques at the Vaugouin plants near La Rochelle, is reported to be producing about one ton a day at the present time and expects to increase its production next year to two tons a day, or about 600 tons a year. The French consumption is about 2,000 tons a year, according to the "Chemical Age" of London.

Recent advices from Spain state that La Industrial Resinera Ruth, Santander, is manufacturing synthetic camphor at their plant in Nueva Montana, under German patents. This plant is now operating in a small way but is reported to have a production capacity of about 2,000 pounds a day.

In the United States the consumption of synthetic camphor has greatly increased during the last few years from 17,357 pounds in 1922 to 682,035 pounds in 1924, and for the first nine months of 1925, 1,374,890 pounds were imported for consumption and the imports of crude and refined camphor have decreased in proportion. American plants are not producing at this time.

HEAVY SURPLUS OF SUMAC REPORTED

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Palermo, Sicily, Dec. 26—Foreign countries are buying very little sumac. Receipts at the grinders works are small, 7,001 tons of the old product remaining unsold. With the heavy harvest of this year, as much as 15,000 tons of sumac are awaiting sale. The ground masculine product is quoted at 220-225 lire; the product to grind at 210-215 lire; the neutral product at 165-169 lire; and the female product at 150-155 lire per 100 kilos, placed in the works at Palermo.

The United States Supreme Court in a decision on Monday held that the Federal Government is entitled to priority in the payment of its claim of \$1,354,000 against Butterworth-Judson Corp. of New York, over ordinary creditors, reversing the decision of the Federal Court for the Southern District of New York. The Supreme Court also held that the United States is entitled to priority over ordinary creditors for payments of Federal taxes and customs.

H. B. Thomas & Co., San Francisco, has been denied a drawback allowance on the exportation of a quantity of imported casein. The allowance was denied on the grounds that the casein had been imported, duty paid and a permit issued to the importers, previous to the filing of a permit for drawback allowance.

Argentina has reduced the export duty on quebracho extract to 20 centavos per metric ton and increased the duty on quebracho log to 46 centavos, according to a cable from the American attaché at Buenos Aires.

Trade disputes in the British chemical industry, says "Chemical Age," from January to November 1925, were 11 in number. The disputes involved 1,000 workers and 25,000 working days.

WHO'S WHO — in the Drug Industry

Robert S. Eaton, treas. and gen'l. mgr., Norwich Pharmacal Co., Norwich, N. Y. Born: June 10, 1883. Mar.: Mildred Cable, Unadilla, N. Y., Apr. 20, 1921. Educat., Univ. of Penna., (B. S. in Economics). Business: Entered employment of Norwich Pharmacal Co., June 1906; cashier, 1909; asst. secy., July 1910; asst. treas. and gen'l. mgr., Sept. 1910; treas., 1921. Member: Norwich City Club, Canasawatca Country Club, Masons, Elks. Hobby: My business.

John F. Belsterling, pres., Aschenbach & Miller, Phila. Born: Phila., Dec. 21, 1867. Mar.: Emma Jane Slater, Phila., Oct. 15, 1890. Educat.: Grammar and high school. Business: In wholesale drug business since 1886. Served as secy., treas., and pres. of Aschenbach & Miller. Member: Penna. Athletic, Drug, Ardnimink Country Clubs, Phila. Drug Exchange, Mason, Shriner.

Harold Robert King, manager, New York office, McLaughlin Gormley King Co., Minneapolis, Minn. Born: Minneapolis, Feb. 26, 1898. Mar.: Effie May Adams, Superior, Wisc., Sept. 25, 1923. Educat.: Univ. of Minn., (B. S. in Business), 1919. Served 1 yr. in France with A. E. F. Member: Delta Upsilon Fraternity, Drug & Chemical Club, Nat'l. Drug Millers' & Merchants' Assn. (pres.). Hobby: Golf.

William E. Martin, spice and seed buyer, Chas. L. Huisking, New York. Born: Perryville, Mo., May 18, 1894. Mar.: Dorothy Mahnke, Rockville Centre, L. I., N. Y., Sept. 4, 1921. Educat.: Graduate, McKinley H. S., St. Louis, Registered Pharmacist, State of Mo., 1917. Business: Retail drug store, 1911-14; Meyer Bros. Drug Co., (asst. chem. buyer), 1914-17; Chas. L. Huisking, 1917 to date. Private, U. S. A., 1918-19. Hobbies: Bowling, tennis, golf.

Franklin Brandreth, pres., Allcock Mfg. Co., Ossining, New York. Born: Ossining, July 2, 1849. Mar.: Pauline Burgess, Poughkeepsie, N. Y., Apr. 17, 1872. Business: 60 yrs. in the employ of the Allcock Mfg. Co. Member: N. Y. Yacht Club, Westminster Kennel Club, Shattemuc Yacht Club. Hobby: Duck shooting.

"Earnings of International Paper Co., applicable to the common stock, after all charges and preferred dividends, will probably be in the neighborhood of \$1 a share," says the "Wall Street Journal." "It will be remembered that in 1924 the management very conservatively saw fit to charge off \$1,000,000 for a contingency reserve. This was equal to \$5 a share on the 200,000 shares of \$100 par common then outstanding, and would bring up the 1924 reported earnings from \$5.16 a common share to \$10.16." But the outstanding common stock today amounts to 500,000 shares.

Alton Barium Products Co., Alton, Ill., recently formed with capital of \$250,000, will take over and expand the local plant and business of Basic Chemical Mfg. Corp. The existing works will be remodeled and additional machinery installed. M. E. Turner is secretary.

The German potash loan has been heavily oversubscribed, according to British reports.

The Industry's Finances

SMELTING & REFINING PAY DIVIDENDS

Merrimac Chemical Reports Surplus—Lawrence Wholesale Drug Makes Report—Surplus For Liquid Carbonic Gas Co.—Discount Rate Advanced—Partola Receiver Appointed

FOREIGN EXCHANGE		Par	Current
Great Britain (pound sterling)	.....	\$ 4.866	\$4.84 3/4
France (franc)	.....	.193	.038
Italy (lira)	.....	.193	.040
Belgium (franc)	.....	.198	.045
Czechoslovakia (crown) per hundred	.....	20.30	2.967
Denmark (krone)	.....	.268	.248
Germany (mark)	.....	.238	.238
Holland (florin)	.....	.402	.401
Norway (krone)	.....	.258	.203
Poland (zloty)	.....	.193	.125
Spain (peseta)	.....	.193	.141
Sweden (krone)	.....	.268	.267
Switzerland (franc)	.....	.193	.193
Argentina (peso)	.....	.424	.413
Brazil (milreis)	.....	.324	.145
Japan (yen)	.....	.499	.433
India (rupee)	.....	.485	.367
China (silver dollar, Hongkong)	.....	.789	.586
(Tael—Peking, silver)	.....	1.146	.792
(Tael—Shanghai, silver)	.....	1.986	.755

Payment of \$10 a share on Federal Mining & Smelting common, and announcement that the directors intend to pay out in dividends approximately 50% of current earnings on Federal common, means American Smelting & Refining Co. will receive about \$1.75 a share on its own common stock this year in dividends on its holdings of Federal common. Federal earned in 1925 approximately \$3,500,000 after depreciation or \$52 a share on its 50,400 shares of outstanding common after depreciation, and preferred dividends, and 1926 earnings should be as good if not better. As American Smelting owns 30,050 shares of Federal common, it holds approximately one share of Federal common for every 20 shares of the 609,980 shares of its own common stock outstanding. This means that at present rate of \$7 on Smelters common, Federal Mining will pay into American Smelting's treasury this year practically one quarterly dividend on Smelters common.

Lawrence Wholesale Drug Co., Lawrence, Mass., reports a surplus of \$49,252 as of Dec. 31, 1924, the latest for which report is made. Accounts receivable are shown as \$98,995, notes receivable \$5,046, cash \$10,503, merchandise \$90,039. Liabilities consist of mortgages \$40,000, accounts payable \$63,668, notes payable \$40,200, reserves \$8,423. The company is capitalized at \$73,500.

Liquid Carbonic Gas Co. of Cambridge, Mass., reports a surplus of \$1,412,851 in a report as to its condition on September 30. Accounts receivable are \$1,388,458, notes receivable \$3,159,127, merchandise \$1,637,470, cash \$247,774. Accounts payable are \$716,832, notes payable \$1,385,594, reserves \$438,851.

Merrimac Chemical Co., Boston, reports a surplus of \$2,122,296 as of Sept. 30. Assets include accounts receivable \$499,345, notes receivable \$6,438, cash \$200,969, merchandise \$1,099,891, investments \$424,192. Accounts payable are \$343,526, reserve for liabilities \$680,015.

Paige & Jones Chemical Co., Hammond, Ind., has completed plans for a new two-story building, 38 x 190 feet.

Bertram J. Goodman, president of Bertram J. Goodman, Inc., has sold his fur dressing and dyeing business to A. Hollander & Son, his former employers, for over \$1,000,000. Announcement of the sale was made at a luncheon given Mr. Goodman at the Fur Club by Michael Hollander, president of A. Hollander & Son. Mr. Goodman worked with Hollander & Son for several years before establishing his own firm, which he built up from an annual volume of \$18,000 to one of more than \$1,500,000.

Atlas Gypsum Co., 25 Broadway, Clarence Center, N. Y., has plans under way for the construction of a new local mill and crushing plant in connection with a proposed gypsum mining plant. The entire project is estimated to cost \$100,000, with equipment.

Standard Asphalt Co., Cincinnati, is perfecting plans for a new branch plant at Winter Park, Fla., to cost \$75,000, with equipment. A new storage and distributing plant will also be established at this location. R. G. Patterson is general manager.

Securities Quotations

Closing Prices For Week Ending Jan. 9, 1926

Bid		Bid		Asked	
*Air Reduction	.....109	109 1/4	Hercules Powder	.....135	140
*Allied Chem & D	.....117 1/4	117 3/4	Hercules Powd pf	.....110 1/4	112 3/4
*Allied C & D pf.	.....120	120 1/4	Heyden Chem	.....	2 1/4
*Am Ag Ch	.....31 1/4	32	Hooker Electro	.....	10
*Am Ag Ch pf	.....86 1/4	87	Hooker Electro, pf	.....	50
*Am Chiclé	.....47 1/4	49	*Household Prod	.....	47 3/4
*Am Chiclé pr pf	.....88	95	*Int Agricult	.....	21 1/4
Am Cyan	.....140	150	*Int Agricult pf	.....	75
Am Cyan pf	.....88	92	*Int Nickel	.....	45 1/4
*Am Druggists S	.....3 1/4	4 1/4	*Int Nickel pf	.....	101
*Am Glue	.....47	50	*Int Salt	.....	85 1/4
*Am Glue, pf	.....106	109	Lehn & Fink Prod Co	.....	39 1/4
*Am Linseed	.....51 1/4	52	*Mathieson Alk	.....	95
*Am Linseed pf	.....85	86	*Mathieson Alk pf	.....	100
*Am Metal	.....55	55 1/4	MacAnd & Forbes	.....	183
*Am Metal pf	.....116 1/4	117	MacAnd & Forbes, pf100	.....	103
*Am Zinc	.....10 1/4	10 1/4	Merck & Co	.....	55 1/4
*Am Zinc pf	.....42 1/4	42 3/4	Merrimac	.....	84
*Archer Dan Mid	.....43 1/4	43 1/4	Mulford Co.	.....	30
*Archer Dan Mid pf	.....104	105	*National Lead	.....	171
*Atlas Powder	.....57	59	*National Lead pf	.....	116 1/4
*Atlas Powder pf	.....94	94 1/4	Niag. A., pf	.....	80
By Prod. Co.	.....46	49	N J Zinc	.....	208
Ry. Prod. Co., pf	.....102	105	Parke, Davis & Co.	.....	114
Canad Ind., Al	.....16 1/4	—	Penn Salt	.....	71 1/4
Canad Salt	.....105	115	*People Gas Chi	.....	116 1/4
Casein Co.	.....162	170	Procter & Gamble	.....	114 1/4
Celluloid Co.	.....20 1/4	22	Procter & Gam pf	.....	158
Celluloid Co pf	.....73	77	Royal Bkg Powd	.....	195
*Certain-teed Prod	.....33	37 1/4	Royal Bkg Powd pf	.....	102
Charcoal Iron	.....10	20	Shawinigan	.....	168
Ches Mfg	.....68 1/4	70	Sherwin-Will 1st pf	.....	106 1/4
Ches. Mfg. pf	.....113	—	Silica Gel	.....	20 1/4
Clark Co., Fred	.....2 1/4	4	*Sterling Prod	.....	87
Clave Cliffs Iron	.....70	75	Swan & Finch	.....	21
*Com Solv A	.....130	131	Swan & Finch pf	.....	20
Do B	.....128	129 1/4	*Tenn C & Chem	.....	14 1/4
*Corn Products	.....40 1/4	40 1/4	*Tex Gulf Sul	.....	121 1/4
*Corn Products pf	.....122 1/4	123 1/4	*Union Carbide	.....	77 1/4
*Davison Chem	.....41 1/4	41 1/4	*Un Drug	.....	157 1/4
*Davison Chem pf	.....37 1/4	38	*Un Drug 1st pf	.....	56 1/4
Dow Ch., pf	.....96	102	*Un Dyewood	.....	12
Dow Drug Co.	.....140	140	*Un Dyewood pf	.....	50 1/4
Dow Drug Co., pf	.....108	108	Un Gas Imp	.....	121 1/4
*DuPont Deb	.....101 1/4	102 1/4	Un Gas Imp, pf	.....	58 1/4
*DuPont de Nem	.....229 1/4	230 1/4	U. S. Gypsum	.....	145 1/4
*Eastman Kodak	.....110 1/4	111	U. S. Indus Al	.....	73
*Eastman Kodak pf	.....112	—	*U. S. Indus Al pf	.....	102
*Preoport Tex	.....20	20 1/4	Va Car Ch	.....	1 1/4
*Gen Asphalt	.....71 1/4	72	Va Car Ch cfs	.....	1 1/4
*Gen Asphalt pf	.....111 1/4	112	*Va Car Ch pf	.....	10 1/4
*Gold Dust	.....47 1/4	47 1/4	*V. Vivaudou	.....	25 1/4
Grasselli	.....19 1/4	19 1/4	Will & Baumer	.....	17
Grasselli, pf	.....101	102			

*Listed on New York Stock Exchange

DISCOUNT RATE ADVANCED TO 4 PER CENT

New York Federal Reserve Bank advanced its discount rate to 4%, from 3½% last week. The 3½% rate has been in effect since Feb. 27, 1925. The previous period in which a 4% bank rate prevailed in this district was from May 1 to June 12, 1924. On the latter date it was lowered to 3½%.

The money market was taken by surprise at the action of the Federal Reserve directors in raising the rate at this time, as there had been no intimation of a higher rate.

A receiver in equity was named last week for Partola Mfg. Co., by Judge Winslow, upon the complaint of Eugenio Varagnolo. The complaint states that the company leased the O'Neill-Adams Building on Sixth Avenue in December, 1919, for a period of twenty-one years but assigned the lease to the Partos Realty Corp. the following February.

A prospectus issued by the new German Dye Syndicate, of which Prof. Robert Bosch is president, places the ordinary stock at 641,000,000 marks and the preferred stock at 4,000,000. Reserves are placed at 104,000,000 marks, value of plants 312,000,000, stocks on hand 253,000,000 and interest in other corporations 204,000,000.

Eli Lilly & Co., New Orleans, La., with headquarters at Indianapolis, Ind., have awarded a contract for a new local branch warehouse, distributing and laboratory building, estimated to cost \$136,000.

Foreign Trade Opportunities

The Department of Commerce, Washington, D. C., has received the following inquiries for drugs, chemicals and accessories. Reserved addresses may be obtained from the Bureau and its district and cooperative offices. Request for each opportunity should be on a separate sheet and state opportunity number. The Bureau does not furnish credit ratings or assume responsibility as to the standing of foreign inquirers; the usual precautions should be taken in all cases.

Medicines, prepared	17501	Lahore, India	Purchase
Perfumery and essences	17502	Amritsar, India	Purchase
Pharmaceutical products	17686	Fontainebleau, France	Agency
Pharmaceutical specialties	17629	Nuremberg, Germany	Agency
Pharmaceutical specialties	17630	Munich, Germany	Agency
Pharmaceutical specialties	17632	Do	Agency
Pharmaceutical specialties	17633	Do	Agency
Pharmaceutical specialties	17635	Nuremberg, Germany	Agency
Pharmaceutical specialties	17636	Toronto, Canada	Agency
Carbon black	17639	Buenos Aires, Argentina	Agency
Food colors	18315	Copenhagen, Denmark	Agency
Lithium carbonate	18407	Sheffield, England	Purchase
Naval stores	18316	Rome, Italy	Agency
Phosphate rock	18310	Hamburg, Germany	Purchase
Wax, floor	18369	Dresden, Germany	Purchase
Medicines, prepared	18313	Munich, Germany	Agency
Do	18314	Nuremberg, Germany	Agency
Pharmaceutical preparations and prepared medicines	18310	Nuremberg, Germany	Agency
Do	18312	Do	Agency
Arsenic, white	18710	Breslau, Germany	Agency
Asphaltum	18676	Milan, Italy	Agency
Carbon gas black	18677	Do	Agency
Chemicals, industrial	18678	Vienna, Austria	Agency
Copper sulphate	18673	Sofia, Bulgaria	Purchase
Fertilizers	18678	Vienna, Austria	Agency
Glue	18688	Shanghai, China	Purchase
Naval stores	18674	Hamburg, Germany	Agency
Do	18678	Vienna, Austria	Agency
Paints and oils	18690	Habana, Cuba	Agency
Paints and varnishes	18655	Johannesburg, South Africa	Purchase
Rosin	18675	Hamburg, Germany	Agency
Do	18688	Shanghai, China	Purchase
Rosin	18710	Milan, Italy	Agency
Rosin and argentine	18676	Milan, Italy	Agency
Rubber chemicals and pigments	18677	Do	Agency
Soda	18688	Shanghai, China	Purchase
Tar, coal, crude	18676	Milan, Italy	Agency
Do	18678	Vienna, Austria	Agency

New Incorporations

Commercial Rayon Dyeing Co., Brooklyn, N. Y., \$20,000. E. Boosin, A. Mandelberg, J. Hendon. Atty., E. S. Silver, 115 Broadway, New York.

Prest-o-Sales and Service, Queens, N. Y., \$10,000. Storage batteries. A. and H. Biedermann, G. Schneider. Atty., J. Schauf, 898 Park ave., New York.

Aridite Chem. Co., Norwich, N. Y., \$25,000. L. M. Corcoran, T. F. Tormey. Atty., Blodgett & Smith, Schenectady, N. Y.

Silver Fox Lard Co., Carlstadt, N. J., \$250,000. A. J. Johnson, Jersey City; E. Mellet, E. Krachie, New York. Atty., Herman Goldman, New York.

Slick-Shine Co., Newark, N. J., \$50,000 in preferred and 500 common, no par. Polishes. Alfred Platon, Emil J. Driesen, Newark; William M. Driesen, Cifton. Atty., Otto A. Stiefel, Newark.

Alox Chem. Corp., New York, 1,500 shares, \$100 each; 10,000 common, no par. C. A. Cole, R. A. Van Voorhis, W. E. Schiels. Atty., Frost, Watson, Cass & Toobey, Albany, N. Y.

Puregold Products of America, Dover, Del., \$2,500,000. Manufacture refrigerating products. M. M. Lucey, Wilmington, Del. Colonial Charter Co.

The Scutan Co., Dover, Del., \$1,800,000. Waterproof material. Raymond J. Gorman, New York. U. S. Corp. Co.

Capital Pharmaceutica Co., Washington, D. C., \$100,000. Chemicals. Marvin Rexrode. U. S. Corp. Co.

Superior Chemical & Mfg. Co., Pittsburgh, Pa. Deal in non-freeze. Chas. C. Briggs. Capital Trust Co. of Del.

Pacque, New York, \$10,000. Make perfumes. E. Speidle, E. H. Debes, A. Johannes. Atty., I. L. Broadwin, 27 Cedar st., N. Y.

Claxton-Kettell Asbestos Co., Buffalo, N. Y., \$15,000. Asbestos products. T. R. and T. S. Claxton, J. J. Kettell. Atty., Ferguson & Magavern, Buffalo.

Paramount Rubber Co. of N. J., Paterson, N. J., \$500,000 in preferred and 15,000 shares common, no par. Manufacture. Jack A. Roberts, Bronxville, N. Y.; Fred T. Roberts, Yonkers, N. Y.; Fred Dooley, Ridgewood, N. J. Atty., Emanuel Shavick, Paterson.

May Chemical Works, Newark, N. J., \$250,000. Otto B. May, Sophie Isenberg, Ruth Flaster, Newark. Atty., Bilder & Bilder, Newark.

Betty Zane Soap Co., Dover, Del., \$1,850,000. Corp. Trust Co.

Self-Lite Corp., New York, \$100,000. Paints. M. S. Bernet, H. P. Midas, A. M. Hessinger. Atty., H. S. Ziegel, 160 Broadway.

Fatima Perfume Mfg. Co., New York, \$1,000. I. Kavich, V. Kiraly, L. Kavich, 333 E. 85th st., New York. No atty.

Breslin Griffith Carpet Co., Dover, Del., \$2,000,000. T. L. Croteau, M. A. Bruce, Wilmington, Del. Corporation Trust Co. of America.

American Celloid Chem. Corp., Dover, Del., \$200,000. Merchandise. T. L. Croteau, Wilmington, Del. Corporation Trust Co. of America.

Amos C. Giles, Inc., Dover, Del., \$100,000. Druggists and chemists. T. L. Croteau, Wilmington, Del. Corporation Trust Co. of America.

Gallia Laboratories, New York, \$15,000. Drugs. P. Astier, H. Dalby, P. A. Shay. Atty., Coudert Bros., 2 Rector st., New York.

Kingston Color Works, New York, \$5,000. G. O. and K. Ruger. R. B. Sage. Atty., E. Heyman, 291 Broadway, New York.

Turnpike Cement Block Construction Co., New York, \$50,000. C. F. Heuther, A. V. Ruff, G. Di Palma. Atty., Giaccio & Titone, 191 Irving ave., New York.

Asbestile Mfg. Co., New York, \$5,000. Make asbestos. J. W. Lambert, J. F. Mahoney, I. M. Goldberg. Atty., Tolbert, Ewen & Patterson, 45 Cedar st., New York.

Crown-Wilamette Paper Co., Wilmington, Del., \$124,100,000—1,241,000 shares divided into 3 classes; 200,000 shares of first preferred stock, 41,000 second preferred, and 1,000,000 common stock, no par. Filed by Corporation Trust Co. of America.

Canadian Incorporations

Sodium Corporation, Ltd., Toronto, Ont., \$50,000 and 10,000 shares without par value. Chemicals. Grey Hamilton, George T. Scoggie, Daniel Maclean.

Life Savers, Ltd., Prescott, Ont., \$50,000. Medicinal preparations. Richmond W. Hart, Edna Fitzsimons, Charles H. C. Leggett.

McPherson Drugs, Ltd., Beamsville, Ont., \$40,000. Eugene E. McPherson, William Lees, William K. Lees.

In a report recently filed Paper Maker Chemical Co. shows cash of \$35,913, accounts receivable \$172,535, notes receivable \$18,074. Securities \$102,015. Accounts payable \$225,959.

Merchants Fertilizer & Phosphate Co., Charleston, S. C., has tentative plans under way for rebuilding a portion of its plant recently destroyed by fire with loss estimated at \$200,000, including machinery.



Industrial Chemical

SECTION



Methanol Attracts New German Interest

Exports to be Resumed and Large American Contract Purchase for 1926 Among Many Rumors Regarding Badische Plans—Recent Patents Cover Uses of New Catalysts—More Research on Synthetic Butanol and Synthol

(Special to DRUG & CHEMICAL MARKETS)

Berlin, Dec. 30—Report is current in chemical circles here that the Du Ponts have placed a contract for synthetic methanol with Badische, covering large shipments during the first six months of the new year. A wide variation exists in the price reported to have been paid and the total amount of the order.

Upon the basis of this apparently well substantiated report, many rumors are flying about regarding the plans and policies of the Badische company in merchandising their gas synthetics in the world's market. The synthetic methanol plant at Leuna was practically shut down most of the Autumn, and shipments have been made out of the accumulated stocks on hand. It is pointed out that the agreement with the wood chemical distillers, which had had the obvious effect of materially restricting sales in continental Europe, must make the North American market, which is outside the agreement, look very tempting and it is generally understood that exports, which have been held up will be resumed. Interests close to the Badische sales organization intimate that the veritable whirlpool of opposition stirred up in the States came as a surprise and that to avoid building a tariff wall against themselves the policy of a sudden, decisive invasion of American markets has been replaced by a more cautious policy.

Word has just reached here that an American patent covering improvements in the synthetic methanol process was issued under the date of Oct. 27, 1925, and that this covers substantially the same points as German patent No. 415,686, which was originally applied for July 24, 1923, but which was only finally issued two months ago. The same processes are also covered by the French patent, applied for at approximately the same time, but issued, due to the prompter action of the French Patent Office, long prior to the German date of patent issue.

The improvements in the process covered by these various patents are concerned principally with the catalysts employed; i. e., the combination of metallic oxides of the second to seventh periodic group, notably those of tungsten and chromium. The pressure set forth is that of 200 atmospheres; the temperature 400° C; the catalysts specified are 85% zinc oxide and 15% vanadium oxide, or 90% cadmium oxide and 10% chromium oxide. In other respects, there is no material change in the process as set forth originally. The inventors are given as Dr. Alvin Mittasch, chief chemist at Oppau Works, Dr. Mathias Pier and Dr. Karl Winkler.

The latest of many guesses as to the cost of synthetic methanol, as produced by Badische, is 13 pfennigs a litre (12c a gallon), based on an output of one million tons

monthly. Not the least item of this cost is the hydrogen, which has been produced by passing water gas over coke, but it is rumored that a process for the production of hydrogen by passing water gas over lignite has been perfected. This would naturally cut costs materially.

Considerable development work is being done on synthetic butanol, manufactured under German patent No. 416,903, applied for March 29, 1923, and granted August 25, 1925, a process in which crotonaldehyde vapors with an excess of hydrogen are passed at a temperature of 80° C. over a finally divided copper catalyst. The production is six parts butyl aldehyde and four parts butanol, which are subsequently separated by fractional distillation.

Synthol has been acquired, it is reported, by the important Thyssen interests in the Ruhr district. These strong interests are understood to have acquired the process originally invented by Drs. Fisher and Tropsch of the Kohlenforschungs Institute of Muehlheim, by which carbon monoxide and hydrogen under a pressure of 134 atmospheres and in the presence of iron filings, produces a complex mixture of alcohols, aldehydes and ketones, with about 15% ethyl alcohol and 5% acetone. The future of this product will probably lie in the field of motor fuels.

FREAR SEES MONOPOLY IN DYES

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 11—Representative Frear of Wisconsin, has introduced a resolution in the House asking that the Committee on Food Control be "authorized and empowered to investigate the means and methods of the control of production in the United States of chemicals and dyestuffs, together with prices, secret agreements, if any, and profits and whether the tariff rates in force effect a practical embargo against dyestuff imports so as to maintain a monopoly. The resolution has been referred to the House Committee on Rules.

Canadian imports of aniline and coal-tar dyes during October were as follows: From Britain, 7,630 lbs., value \$3,826; United States, 158,333 lbs., value \$75,538; Germany, 44,174 lbs., value \$33,693; Netherlands, 11,700 lbs., value \$12,492; Sweden, 2,000 lbs., value \$959; Switzerland, 14,738 lbs., value \$11,857; other countries, 1,341 lbs., value \$618, total 239,916 lbs., value \$138,983; compared with imports in October 1924: from Britain, 14,706 lbs., value \$7,100; United States, 85,886 lbs., value \$91,211; Germany, 34,972 lbs., value \$41,667; Netherlands, 2,470 lbs., value \$3,211; Sweden, 4,400 lbs., value \$2,065; Switzerland, 8,141 lbs., value \$7,647; other countries, 5,060 lbs., value \$1,837; total 155,635 lbs., value \$154,738.

Shares in the new German Dye Syndicate totaling 465,000,000 marks have been admitted for trading on the Berlin Exchange.

The Heavy Chemical Market

Chemical Current Spot Quotations for Heavy Chemicals, see pages 110-128

BUTYL ALCOHOL, BARIUM CHLORIDE DOWN

Domestic Makers of Barium Meet Imported Market at \$60.00 Ton—Barium Carbonate Also Lower—Sulfuric Acid Firmer—Sugar Copperas Lower and Very Weak—Copper Sulfate Down—Potassium Perchlorate Scarce and Higher—Imported Ammonium Chloride Weakens Tone of Market—Oxalic Acid Steady

PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced

Acid Sulfuric, 60°, 50c ton. Potassium Perchlorate, 2c lb.

Declined

Alcohol Butyl, 1c lb. Copperas Sugar, \$2.00 ton.
Barium Chloride, Dom., \$5.00 ton. Copper Sulfate, 10c 100 lb.
Barium Carbonate, \$2.00 ton.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetic Acid, Glacial .lb.	\$1.11½	\$1.11½	\$1.11	\$1.11	\$1.19½	\$1.07
" " 66 deg ton	14.00	14.00	14.00	14.00	35.00	20.00
Ammonium Sulfate, 100lbs	2.95	2.95	2.95	2.75	7.50	2.65
Bleaching Powder, 100lbs	2.00	2.00	2.00	1.90	9.50	1.50
Copper Sulfate c/l. 100lbs.	4.30	4.40	4.45	4.65	20.00	4.60
Potash, Caustic, Imp. lb.	.07½	.07½	.07½	.07½	.87	.08
" Ash, 36 p.c. 100lbs.	1.94	1.94	1.94	1.94	3.50	.60
" Soda 76 p.c. 100lbs.	3.66	3.66	3.66	3.66	9.50	1.42
Potassium Bichromate .lb.	.08½	.08½	.08½	.08½	4.65	.06½
Sodium Prussiate .lb.	.10	.10	.10	.10½	1.25	.18
Average	2.913	2.923	2.928	2.927	10.79	2.99

While the industrial chemical market remained in a firm condition on the great majority of products, demand has not been sufficient in several items to sustain prices. Importers of barium chloride have maintained prices at recent low figures and domestic makers have been forced to reduce their prices to meet this competition. Copperas is in a mixed state; makers of sugar have very large stocks on hand and have cut prices sharply with the material still unloaded. On the other hand, crystals are in good demand and stocks are not of large proportions, and makers are anticipating difficulty in supplying the Spring demand which sets in about March. Mineral acids are moving in large volume at firm schedule prices and 60° sulfuric acid is in a much firmer condition with recent low prices no longer possible. Ammonia and its derivatives have registered no change, but the ammonium chloride market is apparently being weakened by heavy arrivals from abroad and still heavier shipments afloat. Domestic makers report severe competition from imported material. Copper sulfate is in large supply and prices have suffered in several instances.

Acetone—Fermentation manufacturer continues to supply the demand with prices quoted at firm unchanged figures.

Acid Formic—Inquiry is small for both 85% and 90% material but prices are steady at unchanged figures from leading importers.

Acid Muriatic—Market remains in a strong position but schedule prices have shown no change.

Acid Oxalic—Rumors current in the trade that domestic quotations had been changed proved to be unfounded and prices continue firm at 10¾c@11c lb as to quantity.

Acid Sulfuric—Recent advances in crude sulfur prices

continue to exert an upward pressure on sulfuric acid prices and makers are very firm in respect to their schedules. Tank cars of 60° acid are no longer available under \$10.00 ton.

Alcohol Butyl—A further reduction is announced by domestic manufacturer and January deliveries on contracts are quoted at 18½c lb in tank cars; 19c lb for drum cars; and 19½c lb for less carlots of drums. Spot prices are 1c lb above contract prices.

Alum Potash—Although at times during the week the market was in a firmer condition with prices higher, at the close material was plentiful at recent low figures.

Aluminum Sulfate—Quiet but steady market is reported for both iron-free and commercial products with domestic and imported prices firm and unchanged.

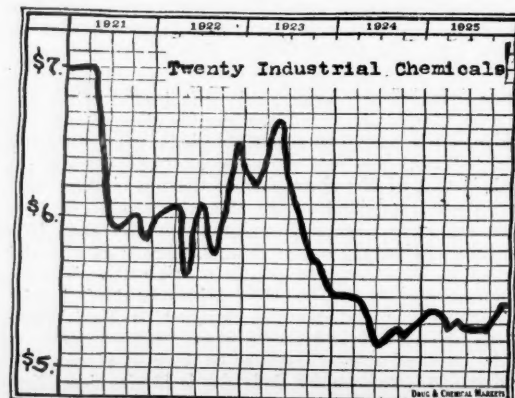
Ammonia Anhydrous—Small routine spot business is being taken by makers at unchanged prices and no change appears likely at the moment.

Ammonia Aqua—Makers report a continuance of severe competition. Ordinary business is being closed at unchanged prices of 3c@4c lb delivered as to quantity, location, and sharpness of competition.

Ammonium Chloride—Domestic makers report severe competition from imported material. Arrivals from abroad have been very heavy and large quantities are at present afloat. Spot quotations on imported material are unchanged at 5½c lb for white, and 6½c lb for gray. Domestic quotations are given at recent schedule of 6c lb for carlots of white, and up to 7c lb for less carlots delivered. Gray prices are given at 7c lb for carlots at works, and up to 8c lb for less carlots delivered.

Barium Salts—Imported prices failed to reach the recent figures announced by the foreign syndicate, and domestic makers reduced their quotations during the week to meet this competition. Open quotations on both domestic and imported products are given at \$60.00 @ \$62.00 ton at works. Carbonate weakened during the week and material was available on spot at \$43.00@ \$45.00 ton.

Carbon Tetrachloride—Prices remain firm and unchanged from last month's reduction to 6½c lb for carlots delivered, and 6½c@7c lb for less carlots delivered.



Copperas—Sugar is in large excess supply in most directions and prices have declined sharply. Even at the reduction no outlet is in sight and the situation is very weak. Open quotations are given at \$9.00 ton bulk, \$11.00 bags, and \$13.00 bbls. Makers of crystals report a steady condition and are unwilling to shade \$12.00 ton for bulk, \$15.00 bags, and \$16.00 bbls.

Copper Sulfate—Spot stocks are burdensome in some quarters. The large bulk of material from makers is probably moving at \$4.30@4.35 100 lb for large crystals, but distressed material was quoted at \$4.15 during the week.

Nickel Salt—Double and single salts remain available at firm unchanged prices and a steady movement of supplies is reported.

Potassium Chlorate—Quotations from importers and domestic makers are firm and unchanged and an active consuming demand is reported.

Potassium Oxalate—Neutral salt is in good request from domestic maker with quotations given at 16c@17c lb as to quantity.

Potassium Perchlorate—Domestic maker is in a fairly well sold up condition and has withdrawn from the market. Imported material is higher at 12½c lb.

Potassium Prussiate—Quiet but steady market continues with imported and domestic prices firm and unchanged.

Sodium Bichromate—Sharp competition prevents prices from advancing and material is obtainable at 6¼c @6½c lb as to quantity in casks.

Sodium Prussiate—Quotations on imported and domestic products are being maintained at 10c@10½c lb as to quantity.

Sodium Silicofluoride—Importers quote firm unchanged prices of 4¼c@5c lb as to quantity and report a good demand.

Blanks for the 1925 Census of Manufactures for the chemical industry have just been sent out by the Bureau of the Census. The bureau is asking for a description of the establishment, the character of the industry, the time of operation, persons engaged, salaries, wages and materials used, products and power, with detailed questions asked under each heading. Similar questionnaires are being sent to manufacturers of tanning materials and natural dyestuffs, essential oils and turpentine and rosin. The law makes it obligatory upon every manufacturer to furnish the census data but it is held confidential.

Kuttruff, Pickhart & Co. will remove their New York office on Jan. 16 to the Victoria Building, 5th ave., at 27th st., where the chemical and fertilizer business will be conducted as previously. The dyestuff department, recently taken over by General Dyestuff Corp., is now located at the same address.

Reductions in freight rates on liquid caustic by the New York Central Railroad for carload, tank cars, minimum 60,000 lbs., from Niagara Falls to North Tonawanda, N. Y., have been authorized by the New York State Public Service Commission. The new rate effective Dec. 26 is 6 cents.

Aluminum Co. of America has announced a one-cent reduction in the price of aluminum ingots to 28c lb for the 99 plus per cent and 27c lb for the 98 to 99%.

Edward J. Shortt, Old Strand Chemical & Trading Co., Ltd., London, has returned to England after a business trip of several weeks in this country.

HAMBURG PRICES HAVE TOUCHED BOTTOM

Salt Cake and Antimony in Good Demand—Potassium Bromide, Barium Chloride, Oxalic Acid Weaker—Prices Show Few Changes

Special Radiogram to DRUG & CHEMICAL MARKETS

Hamburg, Germany, Jan. 12—Trading in chemicals is quiet and prices are unchanged from quotations of a week ago. There is a good demand for salt cake and antimony. The market is weaker for potassium bromide, barium chloride and oxalic acid.

The general opinion is that prices have reached bottom, and favor the placing of forward orders, disregarding exceptional offers at losing prices.

GERMANS CUT PRODUCTION COSTS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 12—Efforts of German chemical manufacturers to cheapen costs of production are reviewed by Trade Commissioner Daugherty, Berlin, in a report to the Department of Commerce. He says:

"The example of fusion set by the German Dye Trust approved at stockholders' meeting at Frankfurt on Main on Nov. 28, is typical of German industry, and is being emulated by other key producers, such as of coal, steel, petroleum, etc. Outside the Dye Trust, the most conspicuous current example of fusion in the German chemical industry is that of the Rhenania (Cologne) and Kunheim (Berlin) companies.

"The 'Badische Aniline- und Sodafabrik,' of Ludwigs-hafen-am-Rhein acquired in August, 1925, about 2-5 interest in the Hugo-Stinnes Riebeck Montan & Oelwerke A. G., of Halle-am-Saale, an important lignite factor in Central Germany. This purchase was primarily to secure extended reserves of brown coal for firing its (Badische) 'Leunawerke' air fixation plant at Merseburg, Central Germany. The Badische acquired at the same time interest in the 'Erdoel & Kohle Verwertungs A. G.' (Berlin), with a minor interest in the Bergin process of dust coal hydrogenation.

"Progress is also reported in the development, largely by the Badische, of the new synthetic solvents, methanol, butanol, synthol and Bergin oils, as well as of atmospheric nitrogen fixation."

The United States Tariff Commission has ordered investigations into the tariff on barium carbonate, cream of tartar, and tartaric acid. These applications have been on file with the Commission for some months. It is understood that the Commission has decided not to send experts abroad to ascertain the cost of production of methanol. The information will be obtained through Government agents already abroad.

The American Electrochemical Society will hold its Spring Meeting at the Chicago Beach Hotel, April 22, 23 and 24, 1926. The feature of the program will be a symposium on Chlorine directed by D. A. Pritchard of the Canadian Salt Co. F. M. Becket, Union Carbide & Carbon Co. is president and Prof. C. G. Fink is secretary of the national society.

An investigation of alleged dumping of potash alum and zinc chloride on the American market from Germany has been completed by the Customs Service. The Secretary of the Treasury has issued a statement declaring that there is no dumping of these commodities in the United States.

The plants recently merged in the new German Dye Syndicate were valued at 312,000,000 marks and the stocks on hand at 233,000,000 marks.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemical pages 110-128

ORTHO-TOLUIDINE ADVANCED 2c POUND

Weak Para-Toluidine Market and Higher Toluene Bring Rise—Para-Nitroaniline Very Weak and Open Break is Anticipated—Gamma Acid Rumored Unsettled—Pure Benzene Remains Easy—90% Firm—Other Light Oils Expected for Prompt Shipment Within a Month—Pyridine and Naphthalene Higher

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

	Advanced					
	Today	Last Week	Last Month	Last Year	War Peak	
Naphthalene, ¼ c lb.						
Ortho-Toluidine, 2c lb.						
Pyridine, 5c gal.						
Declined						
No Declines						
Trend of the Market						
	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Benzene, pure	gal. \$23	\$23	\$24	\$25	\$1.10	\$25
Naphthalene flake	lb. .06	.05½	.05¾	.05½	.16	.03
Phenol Spot	lb. .22	.22	.22	.24	1.50	.08
Toluene	gal. .35	.35	.35	.36	—	—
Aniline Oil	lb. .16	.16	.16	.16	1.40	.10½
Alpha-naphthylamine	lb. .33	.33	.33	.33	1.28	—
Benzaldehyde	lb. .70	.70	.70	.70	—	—
Betanaphthol	lb. .24	.24	.24	.24	1.50	.08
Dimethylaniline	lb. .31	.31	.31	.33	1.30	—
Paranitroaniline	lb. .53	.53	.53	.62	1.68	.18
Average	0.315	0.315	0.316	0.321	—	—

Pure benzene remains in a weak state with increased offerings at last week's reduction. Firmness is reported in 90% benzene with prices unchanged. Other light oils are in limited supply with demand still in excess of production. Some relief is apparent, however and large consumers are reporting no difficulty in locating sufficient supplies. Leading distributors indicate that the market will be in a much easier condition about the middle of February and prompt shipment is expected to be available at that time. Pyridine has advanced further on spot due to limited supplies, and shipment is firm. Naphthalene is decidedly firmer and recent prices are no longer possible. Phenol and cresylic acid occupy unchanged positions. Total exports of coal-tar products in Nov. 1925 were valued at \$646,079, against \$633,056 for Nov. 1924. Among these are included: benzene, \$6,799, against \$5,028; aniline oil and salts 209,654 lbs., valued at \$40,923, against 31,519 lbs., at \$9,879; other intermediates 27,648 lbs., at \$9,756, against 107,077 lbs. at \$10,602.

Demand for intermediates has been along routine lines but prices show no variation on any product. Paranitroaniline is in a very weak condition and a decided change in the market is anticipated soon.

Crudes

Benzene—Market for pure remains in easy condition and offerings are plentiful at last week's reduction to 23c gal. in tanks at mills. Some factors continue to report no difficulty in moving their offerings at 24c gal. in tanks, but admit that the market has a weak tendency. All factors continue to report a firm market for 90% benzene, and no shading of quotations at 24c gal. in tanks at mills is indicated. Output of pure ben-

zene will undoubtedly increase as more toluene is recovered during the next two months.

Cresylic Acid—Market remains without appreciable change. Low prices are still possible on spot but conditions abroad remain very firm and shipment prices are sharply above spot quotations.

Naphthalene—Much firmer situation is reported with the approach of the consuming season. Low-priced sellers have advanced quotations and nothing is available under 6c lb for flake, and 7c lb for balls, while most makers name 7c lb for flake and 8c lb for balls.

Phenol—Quiet but steady market is reported with all makers maintaining prices at 22c lb for large drums, and 24c lb for small drums.

Pyridine—Due to spot supplies being of small proportions and concentrated in a few hands, prices have advanced again and the market is in a very strong condition. Leading importers name \$4.40@\$4.50 gal. for spot offerings, and \$4.00@\$4.05 gal. for shipment.

Solvent Naphtha—Slight relief is reported although supplies are not as yet sufficient to fulfill the demand.

Toluene—Supplies are somewhat increased and large consumers are able to locate sufficient offerings. Leading distributors indicate that they will be able to make prompt shipment about the middle of February. Quotations are unchanged.

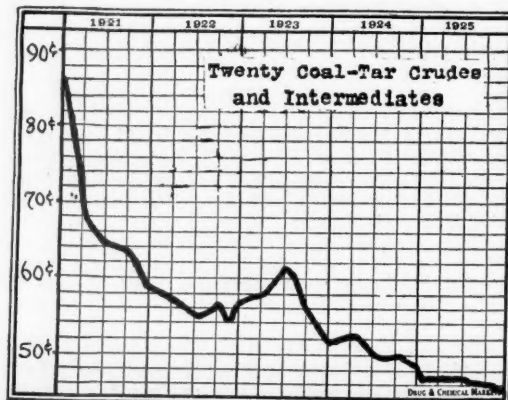
Xylene—Indications are for increased output resulting in offerings for prompt shipment within a month. Nominal quotations show no change.

Intermediates

Acid Gamma—While leading makers continue to quote \$1.30@\$1.36 lb as to quantity, some unsettlement is apparent. It is not known whether actual shading of prices exists or whether consumers are attempting to break the market, but there is probably some foundation for the reports.

Aniline Oil—Movement is of large volume in most quarters and prices remain firm. A wide variance in quotations is reported in a recent export order.

Beta-Naphthol—Single barrel quotations remain at 24c lb, and demand is of steady routine proportions.



Dimethyl-Aniline—Leading makers quote unchanged prices of 32c lb for carlots, and 34c lb for single drums. All contract business has been placed and the price situation is expected to remain fairly steady throughout the year.

Dinitrobenzene—Demand is slight at the present time but an increased movement is anticipated for the latter half of the month. Quotations are unchanged from all makers.

Meta-Phenylenediamine—No change in quotations is reported by any maker and 85c@90c lb as to quantity is still named.

Meta-Tolylenediamine—Prices on this item have not varied in many months and makers continue to quote 73c@77c lb as to quantity.

Monochlor-benezne—Makers quote lower prices and offer less carlots at works at 7c lb.

Ortho-toluidine—Leading makers have advanced their quotations to 25c lb for 5 drum lots, and 27c lb for single drums. The very weak condition of the para-toluidine market combined with the advanced prices for toluene are responsible for the advance.

Para-Nitroaniline—Although leading makers continue to name an open quotation of 53c lb for single barrels, the market is in a very weak condition. Prices below 50c lb are reported to have been done by some makers and a radical change is anticipated at an early date.

Para-Toluidine—Increasing weakness is reported by makers who are apparently unable to locate the bottom of the movement. Large makers indicate that they have ceased to offer their material in view of weak holders being willing to unload at far below cost.

National Aniline & Chemical Co. has issued a new shade card, entitled "Direct Dyes for Cotton," which shows a series of 98 colors on cotton yarns. Full technical directions for use of all the dyes are contained in the book, covering 20 pages. A set of tables giving the fastness properties of each dye is also contained. National Aniline & Chemical Co. has also issued a new edition of Dyers' Formulas for use in conjunction with the Spring Shade Card issued by the Textile Color Card Association. Formulas for all the 120 Spring Shades are given.

Newport Chemical Works have issued a leaflet describing Newport Fast Scarlet EG, a color said to be of excellent fastness to light and to possess good level dyeing properties. It also possesses very good fastness to rubbing, stoving and steaming, and will not discharge. It is particularly adaptable to wool dyeing in its many stages of manufacture, either as a self-color, or in combination with other level dyeing types.

General Dyestuffs Corp. is distributing a new shade card displaying the effects of the complete line of Cellit colors. Bows of acetate silk, and cotton with acetate silk are displayed, as well as swatches of printed acetate silk and cotton. Methods of obtaining the various effects are given. Another card issued by General Dyestuffs Corp. shows dyed swatches of red velour hat material with complete formulas for each of the 27 shades.

Union Color & Chemical Co. has taken over additional office space at 110 High St., Boston, where its present offices are located.

German aniline dye agencies in Mexico were consolidated on Jan. 1, including Bayer, Badische, Griesheim, Agfa and Cassella.

DYE IMPORTS DURING 1925 ARE ESTIMATED AT 5,112,636 POUNDS

Total Value \$4,644,822—December Imports Amounted to 352,043 Pounds, Valued at \$274,758—On Nov. 30 the Dyes Remaining in Warehouse Were 521,238 Pounds—Forty-Four Per Cent of the Dyes Received in December Came From Germany and 43 Per Cent From Switzerland

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Washington, Jan. 11—Imports of coal-tar dyes during 1925 were 5,112,636 pounds, according to a summary issued by the chemical division of the Department of Commerce and the Tariff Commission. The value of 1925 imports is given as \$4,644,822. This represents an increase of 2,090,097 pounds, or 69 per cent, and of \$1,736,104 or 60 per cent over that of 1924.

Imports of coal-tar dyes for the month of December, 1925, by ports are as follows: New York, 348,187 pounds, invoice value \$273,227; Boston, 3,856 pounds, invoice value \$1,531; total, 352,043 pounds, invoice value \$274,758.

The five leading dyes, by quantity, imported during December, were: Ciba violet B, R (single strength), 62,832 pounds; Indanthrene yellow (single strength), 12,480 pounds; Rhodamine 6G (single strength), 10,000 pounds; Chlorantine fast brown, 9,589 pounds.

Dyes and Intermediates remaining in Bonded Customs Warehouse were as follows: July 31, dyes, 775,916 pounds; coal-tar intermediates, 1,378,873 pounds; Aug. 31, dyes, 767,431 pounds, coal-tar intermediates, 1,363,760 pounds; Sept. 30, dyes, 709,381 pounds, coal-tar intermediates, 1,359,717 pounds; Oct. 31, dyes, 609,750 pounds, coal-tar intermediates, 1,055,241 pounds; Nov. 30, dyes, 521,238 pounds, coal-tar intermediates, 746,226 pounds.

The per cent of dyes by country of shipment follow:

	Dec.	Nov.	Oct.	Sept.	August	July
Germany	44	47	72	62	51.5	57
Switzerland .	43	47	10	21	36	32
Italy	4	1.5	3	3	4	2
England	3	1	5	3	3	3
France	2	0.5	3	2	3	1
Belgium	3	1.5	4	5	1	1
Canada	1	1.5	3	2	1	3
Holland	0	0	0	2	0.5	1

The total imports of synthetic aromatic chemicals for the month of December were 11,311 pounds, with an invoice value of \$14,855.

The total imports of medicinals, intermediates, photographic developers, and other coal-tar products for the month of December were 30,069 pounds with an invoice value of \$20,147. Imports of color lakes for the month of December totaled 3,772 pounds with an invoice value of \$2,588.

Business in the Boston dyestuff and chemical market has started off in a way that forecasts a fair year. Purchases are still confined to small amounts individually but buyers are plainly more interested. The trade report that business in 1925 was better than in 1924 so far as volume of sales is concerned. Profits were not especially satisfactory owing to keen competition. A noticeable feature of the immediate situation is an increase in the amounts buyers are calling for under contracts. Prices rule steady throughout the list of chemicals, but some concessions are still heard in tanning materials.

National Aniline & Chemical Co. has issued December "Dyestuffs," containing several interesting articles relative to silk dyeing.

The Oil Market

Current Spot Quotations on Oils, Greases, page 129

CHINAWOOD AND LINSEED OILS LOWER

Uncertain Condition of Seed Markets Causes Linseed Oil Buyers to Watch Market Closely—Perilla Oil Higher—Rapeseed Oil Up—Castor Oil Down—Sesame Oil Lower—Palm Kernel Oil Shaded—Animal and Fish Oils Firm and Unchanged

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Cod Oil, Tanks, 2c gal.	Lard Oil, Edible Prime, ¼c lb.
Cottonseed Oil, Crude, ¼c lb.	Perilla Oil, ¼c lb.
Rapeseed Oil, 1c gal.	
Declined	
Castor Oil, ½c lb.	Linseed Oil, 0.2c lb.
Chinawood Oil, Tks, ¾c to ¼c lb.	Palm Kernel Oil, ¼c lb.
Coconut Oil, Manila, Tks., ¼c lb.	Sesame Oil, White, 1c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Cod Oil, N Y	gal. \$.69	\$.70	\$.70	\$.58	\$ 1.26	\$.26½
Degras American, bbl. lb.	.04¼	.04¼	.04¼	.04¼	.23	.03¼
Lard No 1	gal. .91	.91	.91	1.02	2.90	.92
Menhaden, crd tks	gal. .55	.55	.55	.60	1.20	.33
Neatsfoot, 20 deg c t. gal.	1.27¼	1.27¼	1.27¼	1.29	8.45	.95
Red Oil distilled	lb. .11¼	.11¼	.11¼	.11¼	.17	.07
Stearic, Acid, T P	lb. .18	.18	.18	.16	.33	.12
Coconut, Ceylon, tks	lb. .11	.11	.12½	.11¼	.30	.14
Cottonseed crude, tks	lb. .09¼	.08¾	.08¾	.09¾	.25	.08
Linseed crude	gal. .89¼	.90¼	.93¼	1.15	1.85	.57
Olive, denatured	gal. 1.25	1.25	1.23	1.30	4.50	1.05
Peanut, refined	lb. .15	.15	.15	.16	.30	.08
Soya Bean bbls	lb. .12¾	.13¼	.13¼	.13¼	.19¼	.07
Average	4.92	4.91	4.96	5.21	5.92	1.56

Inquiry was far greater during the past week and factors are expecting active buying during the coming two weeks. Softness was noticeable in the prices of several products, but on the whole the market was in a firm condition. Stocks of most products are apparently ample to meet any ordinary demand, and no sharp price advances are anticipated when buying is resumed. Linseed oil remains the outstanding weak spot of the vegetable oil market, and prices have again declined. Some hardening of prices was noticed at the close of last week, but it is not known whether the turning point has been reached or not. Consumers are watching the market very closely. Chinawood oil is slightly lower owing to decreased demand, but no serious unsettlement has developed. Castor oil has been reduced again following continued poor demand and lower seed market. Cottonseed oil has been decidedly active this week and crude oil has advanced rather sharply. Prime summer yellow has advanced on practically all positions. Coconut oil is quiet and fairly firm. Animal oils and fats are moving at unchanged prices and no radical revisions are forecast. Fish oils are decidedly firm in all directions due to stocks being in strong hands.

Vegetable Oils

Castor Oil—Lower prices are named by crushers owing to continued small demand bringing about lower seed markets. Offerings are made at 14¼c@15c lb for No. 1, and 14c@14½c lb for No. 3.

Chinawood Oil—Market is in a slightly easier condition and leading importers name lower prices on tanks. Spot New York tanks are quoted at 12¼c@12½c lb;

and spot tanks at Pacific Coast at 11¾c@11½c lb. Barrels remain at 13c@13¼c lb.

Coconut Oil—Quiet but steady market is reported by leading importers. Prices on Cochin and Ceylon oil are unchanged, but tanks of Manila oil are offered lower at 10½c@10½c lb.

Corn Oil—Crude oil continued firm at 9¾c lb in tank cars and no recession in prices appears likely.

Cottonseed Oil—Active buying reported during the week and crude oil advanced sharply to 9½c lb. Prime summer yellow oil was changing hands rapidly at this week's opening and quotations were as follow: Spot 11c lb bid; Jan. 11.01c bid, 11¼c asked; Feb. 10.8c bid, 11.05c asked; March sold at 10.83c@10.84c; April 10.9c bid, 11c asked; May sold at 11.03c@11.04c; June 11.05c bid, 11.15c asked; July 11.23c bid, 11.26c asked; August 11.2c bid, 11.3c asked.

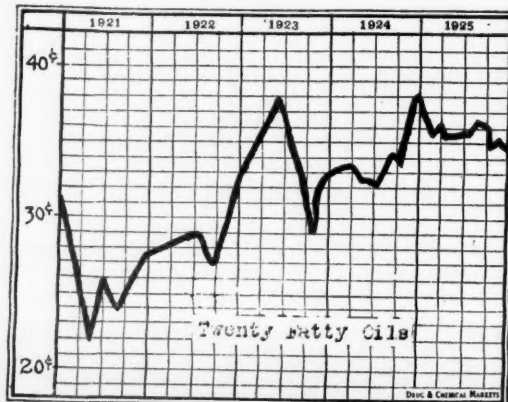
Linseed Oil—Market remains in a weak unsettled state and crushers report a decided lack of buying although consumers are watching the market very closely. At the close of last week some hardening of prices was apparent, but it was not known whether a definite change had set in. Open quotations are lower at 11.9c for carlots of barrels spot or for shipment through April. Shading of these figures is indicated in most directions, and open prices were still lower at times during the week. Seed markets opened this week as follow: Winnipeg Jan. \$2.23½; July \$2.25; Oct. \$2.15½; Duluth Jan. \$2.45¾c asked; Feb. \$2.47; May \$2.52; July \$2.51½; Minneapolis May \$2.56; Buenos Aires \$1.72¼. Linseed oil at London is quoted at 33s 3d; and at Antwerp at 337f.

Olive Oil—Prices are being maintained firmly at \$1.25 @ \$1.30 gal. for denatured and demand is of small proportions.

Olive Oil Foots—Conditions have not changed appreciably over the week, and spot and shipment prices remain unchanged.

Palm Oil—Steady market reported throughout the week and quotations on both grades are quite firm in all directions.

Palm Kernel Oil—Lack of consuming demand has resulted in importers shading quotations on casks to 10½c@10½c lb. Barrels remain fairly firm at 10¾c lb.



Perilla Oil—Stocks are firmly held by sellers and quotations are higher at 15¼c lb.

Rapeseed Oil—Spot oil is in better demand and stocks are somewhat reduced. Prices are stronger and importers quote 94c@95c gal.

Sesame Oil—White oil is in better supply and prices are lower at 14¼c@15c lb as to seller and quantity.

Animal Oils

Lard Oil—Edible oil has been advanced again and makers quote 18¼c lb. Quotations on other grades are firm and unchanged.

Neatsfoot Oil—Makers name unchanged quotations on all grades, and report a ready outlet for all offerings.

Tallow—Prices show no change from 9¼c lb for city extra. Supply and demand appear to be well balanced.

Tallow Oil—Acidless oil in tanks cars is offered by makers at 11¼c lb, and carlots of barrels are quoted at 12¼c lb.

Fish Oils

Cod Oil—Manufacturers name higher prices for tanks at 63c@64c gal., and quote barrels at 69c@70c gal.

Menhaden Oil—Steady price position reported with quotations given at 72c@74c gal. for light pressed, 75c@77c gal. for yellow bleached, and 77c@79c gal. for extra bleached.

Sperm Oil—Quotations show no change from any factor and the market remains firm at 87c@89c gal. for 38° c. t., and 84c@86c gal. for 45° c. t.

Exports of Chinawood oil from Hankow totaled 9,539,000 lbs. during October, and 10,580,000 lbs. during November, 1925. Imports into the United States from Jan. 1 to Nov. 30, amounted to 92,947,034 lbs. Complete figures will show 1925 imports to be the greatest on record, the largest previous year's total having been 37,291,675 lbs. in 1923.

Lewis R. Atwood, president of Peaslee-Gaulbert Co. Louisville, and a former president of the National Paint, Oil & Varnish Assn., died on Jan. 8 in the Louisville Infirmary from pneumonia. He was sixty-four years old.

Palm oil imports advanced sharply to 105,746,781 lb, valued at \$8,329,849 for ten months of 1925 ending October; against 76,534,041 lb, valued at \$5,102,842 for same period of 1924.

C. S. Johnson & Son, Racine, Wis., manufacturers of varnishes and waxes, have awarded a contract for additional stories to be built on two of its factory buildings.

Palm kernel trade in Sierra Leone has shown a marked improvement in the past two years. Exports amounted to 61,117 tons of which the United Kingdom took 97%.

Thresher Varnish Co., Dayton, O., have increased their authorized capital from \$100,000 to \$200,000 to provide for necessary additions and extensions to the business.

National Oil Products Co. and Metasap Chemical Co., both of Harrison, N. J., are opening an office at 204 Johnston Building, Charlotte, N. C.

Blackwell Paint & Wallpaper Co., Blackwell, Okla., has been incorporated for \$25,000 by C. H. King, W. M. Leslie, and A. G. Schriver.

Wisconsin Paint Manufacturing Co. are erecting a two-story factory at 1622 Richards st., Milwaukee, Wis.

MUST NOT CALL KEROSENE SOAP NAPHTHA

Cincinnati, Jan. 10—The United States Circuit Court of Appeals here, in its opinion on the appeal of Procter & Gamble Co. and Procter & Gamble Distributing Co., Cincinnati, vs. the Federal Trade Commission, sustained the order of the commission forbidding the respondent companies from using the word "naphtha" on soap and soap products manufactured and marketed by them which contain kerosene or which contain naphtha in quantities less than one-half of 1 per cent in weight, and reversed the order of the commission requiring the respondents to have not less than 1 per cent by weight of naphtha in soap so labelled upon the delivery of the product to the consumer.

Appellate Court in its opinion agreed with the finding of the commission that the use of kerosene as a substitute for naphtha in a soap labeled "naphtha" is misrepresentation since the public recognizes naphtha as a more efficient cleansing ingredient than kerosene and the manufacture and marketing of such a product is unfair competition and a violation of the Trade Commission Act.

Reversal of the commission's order for a naphtha content of more than 1 per cent by weight upon delivery to the consumer was reversed on the ground the volatile and evaporative nature of naphtha virtually makes performance of such an order impossible.

VEGETABLE OIL IMPORTS INCREASE

Vegetable oil imports for November 1925 compared with November, 1924 were as follow: Denatured olive oil, 806,084 lbs., valued at \$97,555; against 295,412 lbs., valued at \$38,163. Olive oil foots 4,171,186 lbs., valued at \$343,850, against 1,035,415 lbs., valued at \$98,194. Palm oil 16,705,594 lbs., valued at \$1,370,238, against 10,974,751 lbs., valued at \$820,660. Palm kernel oil 5,735,940 lbs., valued at \$533,382, against 1,197,296 lbs., valued at \$101,668. Peanut oil 281,005 lbs., valued at \$39,295, against 377,577 lbs., valued at \$46,311. Rape oil 142,293 gals., valued at \$108,277, against 81,812 gals, valued at \$62,507. Linseed oil 48,392 lbs., valued at \$4,693, against 33,948 lbs., valued at \$3,229. Chinawood oil 8,307,871 lbs., valued at \$901,373, against 8,900,542 lbs., valued at \$1,048,065. Coconut oil 21,991,871 lbs., valued at \$1,966,105, against 30,822,588 lbs., valued at \$2,559,032.

American Dyewood Co. has moved its offices in Philadelphia to Public Ledger Building, 6th and Chestnut streets.

The Kerala Soap Institute, Calicut, has installed a glycerin plant, says "the Indian and Eastern Druggists," which enables the factory to prepare 80% crude glycerin.

Schuyler L. Parsons of Parsons & Petit is spending a few weeks at Palm Beach.

Books of Trade Interest

PHYSICS AND CHEMISTRY OF COLLOIDS, Emil Hatschek, fifth edition, 183 pages. Published 1925 by P. Blakiston's Son & Co., Philadelphia.

The fifth edition is a careful revision of previous editions with a few more recent developments added. Attempting, as it does, to cover a wide field in a very limited space, it is necessarily rather lacking in fine details, but is a valuable book for presenting a clear picture of the whole field of colloidal chemistry.

Miscellaneous Raw Materials

Heavy Chemicals 110-128, Tan and Dyestuff 110-128, Fatty Oils, 129

ROSIN ADVANCES FEATURE MARKET

Common and Medium Grades Register Sharp Increase—Turpentine Also Up—Antimony Maintains Strong Position—Casein and Tapioca Firmer on Spot—Fertilizers Inactive—Tanning Materials Quiet—Sellers Look For Increased Demand

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Rosin: B, 65c 280 lb.	Divi Divi. pods \$5.00 ton.	Egg Albumen, Tech. 3c lb.	Egg Albumen, edible, 6c lb.
D, \$1.00 280 lb.	Turpentine, 8c gal.	Wattle, bark 50c ton.	
E, F, 25c 280 lb.			
G, 50c 280 lb.			
H, I, 45c 280 lb.			
K, 30c 280 lb.			
M, 10c 280 lb.			

Dealers in this market report that business on a contract basis with the consuming trades is progressing with prospect of a heavier demand in the near future. This is particularly true of the starch and dextrin group where business is reported to be brisk even for this period of the year. In the face of reports of a shortage in tapioca at the source, the spot price has firmed, although there has been no actual price advance. Antimony continues as the feature of the metal market with the remainder of the group quiet. Fertilizer dealers report a fair demand, but business continues more or less routine. Albumens are unchanged on the spot with moderate interest shown. The tanning industry is quiet,

reflecting on the tanning extract market. Factors in extracts here are hopeful that the early stages of 1926 will be productive of an increased demand.

ACCELERATORS

Diortho-tolylguanidine—Makers quote unchanged prices of \$1.10@\$.13 as to quantity. Demand is reported to be steadily increasing.

Diphenyl-guanidine—While all leading makers quote unchanged prices and declare that the market is steady, rumors are still heard of severe price cutting. Open quotations remain at 95c@98c lb as to quantity.

Hexamethylene—Quiet but steady market is indicated by all factors. Quotations are given at unchanged figures of 80c@82½c lb.

Triphenyl-guanidine—Demand is reported to be of moderate routine volume. Quotations from leading makers show no change from 69c@73c lb as to quantity.

ALBUMENS

Blood—None too plentiful on the spot and some factors in this market anticipate an early rise.

Egg—Spot quotations are reported at from \$1.13 to \$1.18 lb as to seller and quality. Technical is offered at \$1.10 lb spot.

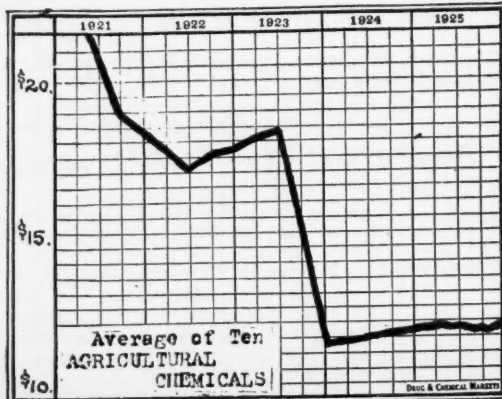
Vegetable—Moderate quantities are being turned over at the market figures.

CLAYS AND FILLERS

Barytes and Blanc Fixe—No price changes were recorded during the past week.

Agricultural Chemicals

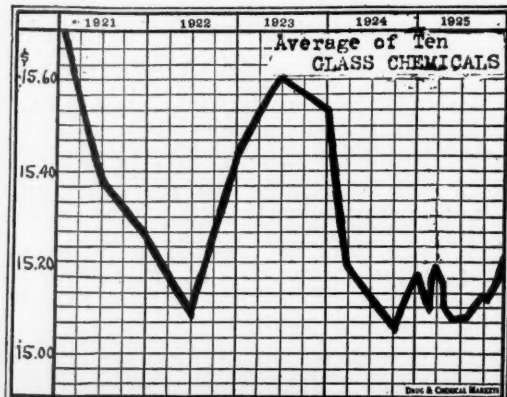
	Last Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acid Sulfuric, 66°.....ton	\$14.00	\$14.00	\$14.00	\$14.00	\$55.00	\$20.00
Ammonium Sulfate, 100lbs.	2.95	2.95	2.95	2.75	1.75	2.65
Arsenic .....lb.	.03	.03	.03	.06¼	.18	.04
Copper Sulfate .....100lbs.	4.35	4.45	4.45	4.70	20.00	4.05
Paris Green .....lb.	.19	.19	.19	.25	.50	.11
Potash Muriate, 90% ton.	34.90	34.90	34.90	34.55	—	—
Potash Sulfate, 90% .ton	45.85	45.85	45.85	45.85	440.00	48.07
Phosphate, Acid, 16% ton.	10.00	10.00	9.50	9.50	11.00	3.00
Phosphate Rock, 68% 2.75	2.75	2.65	2.25	11.00	3.00	—
Sodium Nitrate .....100lbs.	2.67	2.67	2.63	2.62	5.00	1.90
Average	11.779	11.785	11.872	11.653	103.50	13.84



INDUSTRIAL CHEMICAL SECTION

Glass Chemicals

	Last Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Arsenic .....100lbs.	\$3.00	\$3.00	\$3.00	\$6.25	\$18.00	\$4.00
Fluorspar 96% a i f ton.	33.50	33.50	33.50	34.00	60.00	28.00
Limestone ground .....ton.	4.50	4.50	4.50	4.50	8.50	4.00
Litharge .....100lb.	11.50	11.50	11.50	12.25	17.00	9.00
Salt Cake .....ton.	19.00	19.00	19.00	18.00	40.00	15.00
Silica, crude .....ton.	6.00	6.00	6.00	6.00	20.00	8.00
Soda Ash Dense .....100lb.	1.45	1.45	1.45	1.45	4.10	.69
Sodium Silicofluoride 100lb.	4.25	4.25	4.25	4.25	10.00	3.50
Sodium Sulfate, anhy.100lb.	3.00	3.00	3.00	3.00	8.00	2.50
Tin Oxide .....100lb.	66.00	66.00	66.00	58.00	100.00	60.00
Average	15.220	15.220	15.220	15.400	28.56	18.07



China Clay—Contract and forward positions still are of major interest in china clay with spot parcels quiet but maintaining former price levels.

Peppers—Prices are unchanged with additional firmness noted. London cables quote higher prices there.

Whiting—Shows a variance in price as to seller and quality, and though it was reported weaker, the various grades have shown no decline.

Talc—The market is quiet with prices unchanged.

COLORS AND PIGMENTS

Chrome Greens—Market shows no appreciable change in position or price. Potential output looms very large despite a heavy consumption. Quotations are given at 26c@36c lb for C. P. grades as to shade and quantity.

Chrome Yellows—Competition remains quite severe and prices continue at low levels. Consumption is heavy, but offerings are much greater than consumption. Makers name 17½c@18c lb.

Iron Blues—Withdrawals on contracts are of large volume. Competition for spot business holds prices at 31c@33c lb.

Red Toners—Lithol toner and para toner remain steady at 85c@90c lb as to seller and quantity. Toluidine toner is offered at \$1.80 lb.

DYE AND TAN WOODS

Divi Divi—Pods are reported firmer and shippers are asking \$53.00 ton for Jan.-Feb. shipment. The consuming demand has not increased.

Logwood—Demand slight with prices unchanged but firm.

Myrobalans—Both J2's and R's continued easier at \$35.00 and \$34.00 ton respectively.

Sumac—Ground shipment parcels are unchanged with dealers here naming \$95.00 ton as the inside figure. Demand is quiet.

Valonia—Little interest was displayed in valonia.

Hope was expressed that demand would set in at an early date.

Wattle—Bark was a shade easier on spot with factors here quoting \$38.50 to \$39.00 ton. Extract was unchanged and quiet.

EXTRACTS

The extract market has not shown an appreciable change of late as the demand has been very slight. Both archil and chestnut are moving in a routine way only at their former levels. Logwood sticks are reported firmer with quotations at \$26.00@27.00 lb. Quebracho also is neglected due to a lack of consuming demand.

FERTILIZERS

Ammonium Sulfate—Routine business only with carload offerings heard at \$2.95 100 lb.

Sodium Nitrate—Offered at the schedule price of \$2.67 with only ordinary interest shown.

Fish Scrap—Buying interest was slight during the past week but sellers' prices were well maintained at their former levels. Bulk quotations were heard at \$4.25 and 10c per unit.

Tankage—South American material is reported a bit higher. The New York market remains unchanged for all grades.

INSECTICIDES AND FUNGICIDES

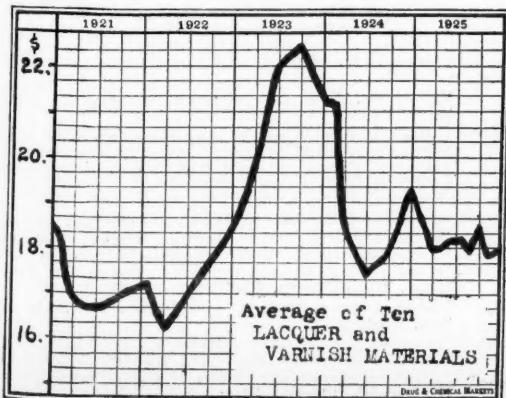
Calcium Arsenate—Inquiry remains at a standstill in all directions. Makers are in possession of very large stocks but are unwilling to shade 6c@3½c lb as to quantity and location.

Lead Arsenate—Demand has improved slightly but the low prices being quoted on calcium arsenate have a decidedly depressing effect on lead arsenate demand. Dry powdered material is quoted at 14½c lb.

Lime-Sulfur Solution—Prices are fairly steady at 14½c lb. An increased demand is expected to set in within the next two weeks.

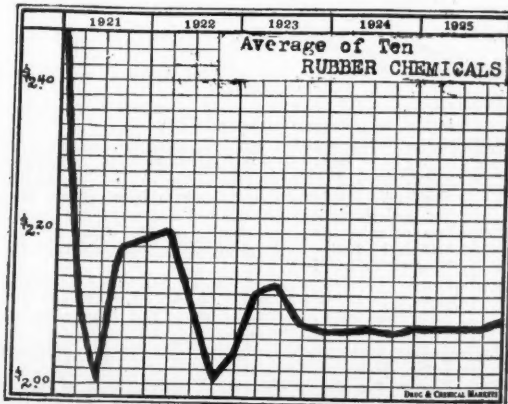
Lacquers and Varnishes

	Pre-War	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetone, c/l drs wks 10lb.	\$1.20	\$1.20	\$1.20	\$1.20	\$5.50	\$1.05	
Butyl Al, drs wks 10lb.	1.90	2.00	2.00	2.85	—	—	
Chinwd Oil, bbls NY 10lb.	1.30	1.30	1.35	1.55	2.00	.62	
Copal Congo, Amber 10lb.	1.00	1.00	1.00	1.00	1.90	1.80	
Fusel Oil	1.70	1.80	1.80	2.80	4.00	2.50	
Benz 90% tks wks 10 gal.	2.40	2.40	2.40	2.30	3.00	2.50	
Linseed Oil, c/l bbls gal.	.89¼	.90¾	.93¾	1.15	1.88	.53	
Rosin F grade Y	1.55	1.43	1.40	.82	1.70	.43	
Soluble Cotton	4.00	4.00	4.00	4.00	—	—	
Turpe c/l ex-dock	1.11½	1.03	1.00	.92	.70	.49	
Average	1.692	1.704	1.709	1.859	—	—	



Rubber Chemicals

	Pre-War	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Antimony, Sulfide Crim.	\$3.39	\$3.39	\$3.39	\$3.39	\$4.45	\$3.25	
Carbon Black cases N Y.	.16	.16	.16	.06	.50	.11	
China Clay, Imp.	.13	.13	.12	.10	.30	.14	
Hexamethylene	16.00	16.00	16.00	16.00	20.00	14.00	
Iron Oxide, Span	.03	.03½	.03½	.03½	1.35	—	
Lithopone	.03	.03	.03	.03	.04½	.05	
Sulfur	.06¼	.06¼	.06¼	.06¼	.08	.04	
Whiting, Dom.	3.05	3.00	3.00	3.05	6.50	2.75	
Zinc Oxide, Amer.	14.00	14.00	14.00	14.00	20.00	11.00	
Average	3.463	3.463	3.462	3.458	5.937	—	



Paris Green—Orders are being taken by makers for Spring delivery with a guarantee as to the opening price quoted in the Spring. Present prices show no change.

METALS

Antimony continues as the feature of the metal market. It has maintained its recent advance and is offered at 24½¢ lb spot. Copper was inactive, electrolytic being named at 14¼¢@14½¢, while lake was named at 14¼¢@14½¢ lb. Lead is quoted at 9¼¢ New York and 9.1¢ East St. Louis. Silver at 68½¢ oz. Tin is off again and quotations are heard at 62¼¢ lb. Zinc is named at 9¢ New York and 8¾¢ East St. Louis.

ROSINS

A sharp increase in price in the common and medium grades of rosins was noted during the past few days and spot price are as follows: B \$14.65; D \$15.05; E \$15.35; F \$15.50.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Jan. 9—Turpentine closed firm at \$1.06 gal., which is an advance over last week's close of 11c. Actual demand has been far in excess of receipts. Only 15 barrels were left unsold with no bids. The outlook is for a continued firm market with a strong possibility of still further advances. Stocks are reported to be very firmly held and any recessions in prices are expected to be of short duration. Receipts for week totaled 492 bbls.; stocks on hand total 14,159 bbls.

Rosins closed firm with all offerings sold to one buyer. Common and medium grades have been in very active demand and prices have advanced sharply. Still further advances are anticipated for the

coming week as receipts have not been large enough to fulfill the demand. Stocks are not over-large and the demand between now and next season should keep the market firm. Closing quotations are: B \$13.00; D; \$13.50; E \$13.85; F \$14.00; G, H, I, K, M, \$14.25; N \$14.60; WG \$14.90; WW, X, \$15.10. Receipts for week totaled 2,457 bbls.; stocks on hand amount to 84,189 barrels.

Jacksonville, Fla., Jan. 9—Turpentine closed firm at \$1.06½ with all offerings sold. Rosins closed firm as follows: B \$12.50@13.20; D \$13.50; E \$13.85@13.95; F \$14.00@14.05; G \$14.10@14.25; H \$14.15@14.25; I \$14.25; K \$14.25@14.30; M \$14.25@14.40; N \$14.60; WG \$14.90; WW, X, \$15.10. Stocks of turpentine total 24,698 bbls.; rosins 102,233 bbls.

Turpentine—A further advance in turpentine was in evidence last week and prices at the new level range from \$1.11@1.15 as to quantity. It is reported that interest is shown for futures as a heavier demand is expected to set in.

STARCHES, DEXTRINS AND SIZES

Dealers in these items report that contract business is being consummated at a rate entirely satisfactory. Starches and dextrins are in good demand for spot deliveries also. Casein continues firm at 13c@14c lb. Tapioca is firmer on spot but has not registered an advance in price. Sellers predict an advance in forward shipment prices as it is stated that there is a considerable shortage in the tapioca crop at origin. It is expected that the position will be more clearly defined at an early date.

Drug & Chemical Patents

Granted December 29, 1925

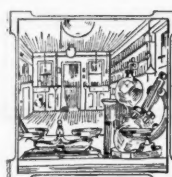
- 1,567,158—Indigoid dyestuff of the anthraquinone series and intermediate products and process of making same. Bertram Mayer and Wilhelm Moser, Basel, assignor to Society of Chemical Industry in Basle, Basel, Switzerland.
- 1,567,159—Method for producing lead compounds. Brian Mead, Boston, Mass., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich.
- 1,567,200—Manufacture of derivatives of 4-hydroxypiperidines and process of making same. Hermann Staudinger, Zurich, assignor to Society of Chemical Industry in Basle, Basel, Switzerland.
- 1,567,241—Process of manufacturing hydrocarbons and cyanides. John Collins Clancy, Asbury Park, N. J.
- 1,567,312—Manufacture of formamide. Rudolf Wietzel, assignor to Badische Anilin & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany.
- 1,567,317—Method of making anhydrous magnesium chlorides. Paul Cottringer and William R. Collings, assignors to Dow Chemical Co., Midland, Mich.
- 1,567,395—Process of chlorination of sulphite liquor. Albert Schmidt, Paris, France.
- 1,567,457—Process of distilling and blending hydrocarbons. Daniel L. Newton, Fullerton, Calif.
- 1,567,458—Apparatus for distilling and blending hydrocarbons. Daniel L. Newton, Fullerton, Calif.
- 1,567,506—Method of uniformly and intimately mixing materials with rubber latex. Ernest Hopkinson, New York, N. Y.
- 1,567,534—Method of and device for detecting oxygen. Aylmer H. Maude, Wilkinsburg, Pa., assignor to Westinghouse Electric and Mfg. Co.
- 1,567,609—Process of making thin boiling starch. John R. MacMillan, La Salle, N. Y., assignor to Niagara Alkali Co., Niagara Falls, N. Y.
- 1,567,610—Process of making aluminum sulphate from aluminous materials. Richard Moldenke, Watchung, N. J., and Wilhelm Schumacher, Berlin, Germany; said Schumacher assignor to said Moldenke.
- 1,567,639—Capsule filling machine. Louis Ralph Eastman, Highland Park, Mich.
- 1,567,646—Process for the production of combinations of rubber and paper and products obtained thereby. Ernest Hop-

kinson, N. Y., and Reed P. Rose, Jackson Heights, N. Y. assignors to General Rubber Co., New York.

- 1,567,654—Porcelain crucible. Alfred König, Charlottenburg, assignor to the Firm Staatliche Porzellan-Manufaktur, Berlin, Germany.
- 1,567,731—Valuable compound for dyeing. Fritz Gunther, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany.
- 1,567,755—Process for obtaining alkali metal thiosulphate from solutions containing alkali metal sulphide. Friedrich Rusbberg, Mannheim, assignor to the Firm Rhenania Verein Chemischer Fabriken A. G. Cologne, Germany.
- 1,567,785—Process for the acetylenation of fatty and other substances. Louis G. Bourgein, Montreal, Quebec.
- 1,567,847—Injection for hemorrhoids. Jinshichi Kato, Kyoto, Japan.
- 1,567,916—Process for recovering iron and sulphur from sulphide ores. Hartwell, Conder, Strahan, Tasmania, Australia.
- 1,567,974—Treatment of pyorrhea. Charles Wesley Monroe, Parkersburg, W. Va.

Granted January 5, 1926

- 1,568,137—Dispensing device. Norman F. Dahne and Andrew L. Thanos, La Porte, Ind.
- 1,568,171—Recovery of aluminum chloride. Almer McD. McAfee, Port Arthur, Texas, assignor to Gulf Refining Co., Pittsburgh, Pa.
- 1,568,196—Vitamin preparation and process of making same. Otto Stiner and Alfred Hauswirth, Bern, and Alfons Gams, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland.
- 1,568,245—Stamp or label moistener. John Ruze, New York.
- 1,568,249—Separating solids from liquids. Olof Soderlund, Teofron (Boberg), and Lili Testrup, London, England, assignors to Techno-Chemical Laboratories, Ltd., London, England.
- 1,568,255—Juice-extracting apparatus. John I. Thornycroft, Bembridge, Isle of Wight, England.
- 1,568,322—Enamel clearing compound. Charles W. Dees, Ellensburg, Wash.
- 1,568,334—Process of manufacturing adhesive blends of sodium nitrate and ammonium nitrate for explosive purposes.
- 1,568,339—Alimentary product and process of making same. Jesse H. Leftwich, Chicago, Ill.



Drug & Fine Chemical

SECTION



Cold versus Heat in Drug Extractions

Japanese Firm Uses Cold For Dehydrating and Refining—Less Impairing of Certain Materials Than When Heat is Used—Higher Yield of Camphor Obtained—Extracts and Foodstuffs Also Produced

Drugs, food products and other materials manufactured by a comparatively new process were recently displayed by the Hoshi Pharmaceutical Co., in Tokyo and Osaka. This new method, which its inventors believe will revolutionize many industries, is the result of several years' research and experimenting in the laboratories of the company.

For centuries the Japanese have used freezing for the manufacture of Japanese isinglass and a number of food products. For that reason it occurred to Mr. Hoshi that cold might prove as important as heat in industry. He placed Dr. Masamitsu Oshima in charge of the laboratory set aside for this investigation and the large refrigerating plant where new discoveries are still being made. A company has been organized to take over the manufacture of the products developed in the laboratories and it is proposed to establish factories in Hokkaido and Manchuria where the natural cold will be available during the winter months.

The new process is based on the use of cold instead of heat in dehydrating, separating, refining, powdering and preserving and has been successfully used in manufacturing more than a hundred different materials. It is claimed that the new system will enable many food products to be prepared at a fraction of the present cost by using the natural cold of winter months and that many chemicals can be manufactured cheaply in an ordinary cold storage plant. It may be used for other products than chemicals and foodstuffs. Among the things exhibited were dried plants and animals for use in laboratories and schools. Ten per cent more camphor is extracted from the crude camphor oil by the freezing process than when heat and pressure are used. Oils have been refined, Adrenalin manufactured and menthol extracted by this method. It has been found that freezing does not impair the quality of food products or bring about the chemical changes which usually result from the application of heat. In comparison with heating processes the quantity loss is slight and the natural color and flavor of foodstuffs is preserved.

Some of the things so far obtained by the freezing process follow: Adrenalin, powdered foxglove leaves, powdered orange skin, powdered tragantgum, powdered blood, refined oils, powdered milk, powdered eggs, powdered copra, sugar extracted from cane and beets, and a digestive substance for fats extracted from the milk of coconuts.

Another ramification of the discovery is the cheap preparation of animal foods from waste materials which have not been converted into foods previously because of the high cost. Hoshi Pharmaceutical Co. are freezing and powdering these materials which are then stored away and merely mixed with water when used.

PERMIT FOR 228,000 GALS. RESTORED

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Philadelphia, Jan. 11.—Judge Dickinson in the United States District Court last week ordered prohibition officials to restrain from interfering with the delivery of alcohol to Pennsylvania Ethyl & Pharmaceutical Corp., Swanson Chemical Corp., and Jean Chemical Co. Judge Dickinson ordered Prohibition Commissioner Blair to reinstate the alcohol permit of Pennsylvania Ethyl & Pharmaceutical Corp. to use 228,000 gallons of alcohol monthly. This permit was revoked Oct. 31 when it was alleged that the corporation had made false statements when it applied for the permit. The prohibition department contended that the company could not legitimately use the amount of alcohol monthly for which it had a permit.

The Chicago Drug and Chemical Association will hold its first meeting of the year on Thursday, Jan. 28, at the Hamilton Club, when the newly elected officers will begin their duties. They are C. S. Curtis, president; Wm. McGibbon, vice-president; L. J. Freundt, treasurer; H. E. Lancaster, secretary; Board of Governors: C. E. Carson, L. F. Eiklor, Wm. Loewenstein, J. W. Morrison, P. A. Rising, J. L. Thomas, C. P. Van Schaack, B. F. Zimmer.

Merck & Co., in the introduction to their January price list look upon the opening of the year as highly auspicious. General business conditions are good, and various forms of co-operation now exist in the drug trade which make toward better working conditions, in their opinion.

Papain, the demand for which temporarily exceeds the supply, is produced principally in Ceylon, according to A. E. Collens, superintendent for the Leeward Islands.

The act for the control of kauri gum exports, recently passed by the New Zealand Parliament, is to become effective April 1, 1926.

The gallnut trade in Bagdad has fallen off considerably since the war and is still declining, according to Consul John Randolph.

Prohibition administrators are permitted to suspend withdrawals of intoxicating liquors by permittees who have been cited for revocation of permit, according to Treasury Decision, 3784, recently promulgated by the commissioner of Internal Revenue.

Acetylsalicylic acid (aspirin) and chloramine are listed in the U. S. Pharmacopoeia for the first time in the tenth revision of that work.

A. R. McLeod became affiliated with the office force of Monsanto Chemical Works in New York the first of the year.

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, see Chemicals pages 110-128

CODLIVER OIL LOWER BUT MORE ACTIVE

Renewed Activity Brings Out Lower Prices—Spot Situation Depresses Japanese Camphor—Menthol Continues to Decline—A Number of Less Important Chemicals Decline in Price—Activity Not Yet Fully Resumed

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced		Declined	
Acid, Carbolio, small lots, 1c lb.	Haarlem Oil, dom., 5c gross	Acid, Phenylcinchoninic, 25c lb.	Glycerin, sapon, 1/2c lb.
Camphor, Jap. slabs 1/4c lb.	Iodine Tincture, sec hds, 10c lb.	Codliver Oil, \$1.00 bbl.	Menthol, 25c lb.
Fusel Oil, 10c gal.	Methylene Blue, 25c lb.	Pot. Guaiacal Sulfonate, 40q lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Acetanilid	\$35	\$35	\$35	\$36	\$2.00	\$20
Acid Citric Import .....	.45	.45	.45	.46	1.25	.45
Caffeine, Alkaloid	3.75	3.75	3.75	3.60	13.00	3.65
Calemel, American	1.45	1.45	1.45	1.22	3.43	.90
Camphor, Jap. ref	71 1/2	71 3/4	72	4.65	3.55	.41
Iodine, Resublimed	4.65	4.65	4.65	4.65	5.00	3.75
Menthol	6.75	7.00	8.65	12.25	13.50	3.00
Potassium Bromide, Cryst. .....	.48	.48	.48	.48	4.30	.80
Quinine Sulfate Imp .....	.50	.50	.50	.50	.90	.25
Sodium Salicylate .....	.40	.40	.40	.40	4.25	.27
Strychnine Sulfate .....	.42	.42	.42	.49 1/2	1.05	.50
Average	1.810	1.844	1.979	2.28	5.92	1.56

The inventory lull still casts its shadow over the market and actual trading is limited generally to immediate needs. A number of price reductions in the less active items of the fine chemical group were announced by makers this week, with a few items also advanced. Pressure of spot stocks has brought out lower prices for Japanese refined camphor, while menthol continues to decline, despite talk of firmer positions in Japan. Better activity is reported in codliver oil but inquiry evidently brought out lower prices. Glycerin again shows some activity and continues strong on the market. Fusel oil has shown further weakness.

Acid, Acetylsalicylic—Market conditions show no change, being quoted at 72 1/2c@75c lb with some shading done. This item is now listed in the U. S. P.

Acid, Benzoic—Routine demand continues in this market with prices unchanged. Resale lots are still quoted at 55c@56c with manufacturers firm at 60c

Acid, Carbolio—A firmer tone exists here and small lots have advanced to 27c lb for 25 lb tins, 29c for 5 lb tins, 34c for 1 lb bottles and 33c for the liquid in bottles. Bulk prices are unchanged.

Acid, Citric—Good steady demand is reported with prices controlled by domestic manufacturers.

Acid, Gallic—Firm at recent advance with no further change noted.

Acid, Phenylcinchoninic—This has been reduced to \$5.00@\$5.25 lb with demand routine.

Acid, Salicylic—Prices are unchanged with demand good and less competition noted.

Acid, Tartaric—A very firm tone is evident in this market

with some sellers predicting an advance soon. Prices are unchanged as yet, however.

Alcohol—Demand for denatured alcohol, formula No. 6 is active and producers are manufacturing at peak production. There has been no change in price. The little flurry in denatured No. 5 has fallen off and the situation is again very weak, with prices quoted at 38c@40c gal. in drums from some sellers.

Alkaloids—Demand remains of a routine nature with prices showing no tendency to change.

Antipyrine—First hand sellers are firm in their prices and little weakness is seen outside. There are still some lots available at \$1.70 however.

Bay Rum—Good demand is reported with prices unchanged.

Bismuth Salts—Demand continues of a good routine nature with prices unchanged.

Bromides—Interest in this group is almost entirely lacking and there has been no change in price of any of them. Ammonia is scarce but in poor demand at 51c @52c, with potash and soda offering more freely but also in poor demand at 37c and 42 1/2c lb respectively.

Camphor—Pressure from spot stocks has eased the local situation and the price is now down to 71 1/2c lb. Japan is firm and replacements show no tendency to come down.

Cocoa Butter—This item is very firm with prices maintained at recent levels.

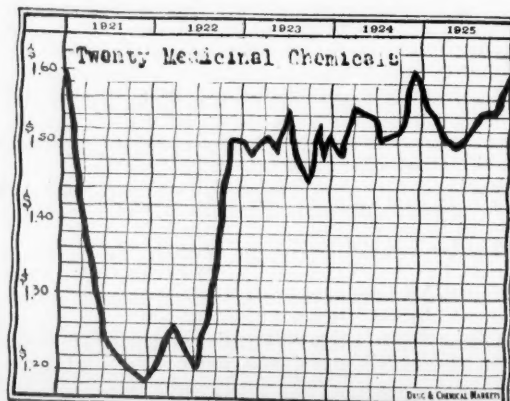
Codliver Oil—Some improvement in demand is reported but the price is lower at \$37.50@\$40.00 bbl. as to brand and quantity.

Creosote Carbonate—Demand continues good with prices unchanged.

Formaldehyde—Prices show no change with production at its peak to meet demand.

Fusel Oil—Further weakness has developed in this item which is in poor demand at \$1.70@\$2.00 gal. as to holder and quality.

Glycerin—Interest is reviving in forward positions for carloads of C. P. which are held at unchanged prices. Some activity was noted in dynamite which is unchanged in price. Lack of demand in other crude grades caused holders to sell saponification at the reduced price of 17c@17 1/2c.



Guaiacol—Activity continues fair with prices for crystals, liquid and carbonate unchanged.

Haarlem Oil—Demand is good and domestic has advanced to \$3.15@3.30 according to brand with imported unchanged.

Hydroquinone—Practically all sellers have now fallen in line with the recently reduced price which is now in effect.

Iodine—A slightly weaker tendency is noted and some lots of tincture are now obtainable at \$4.70 with most sellers firm at former quotations.

Iron Salts—Market is quiet with no price change evident in any of the items of this group.

Menthol—Trading has been desultory, due to the extended holiday period in Japan, but some improvement in demand is noted here. Prices have further declined on spot to \$6.75@7.00 lb with some tendency on the part of Japan to quote higher shipment prices.

Mercury—The spot market is quiet and price has declined to \$87.00. Fairly large arrivals were noted last week.

Methylene Blue—U. S. P. has been reduced to \$1.70 @1.90 lb.

Potassium Guaiacol Sulfonate—This price has been reduced to \$1.50@1.75 lb.

Potassium Permanganate—Demand is quiet with prices unchanged.

Santonin—Prices are firm with demand reported improving since the recent reduction.

Thymol—Market is very firm with no further change in price noted.

PHILADELPHIA A. R. D. ELECTS PRICKETT

The Philadelphia Branch of the American Pharmaceutical Association and the Philadelphia Association of Retail Druggists held annual meetings last week. The retail druggists elected Charles T. Prickett, president; H. L. Wertley, chairman of executive committee; Otto Kraus, secretary, and George W. Fehr, treasurer. It was announced at the meeting that the National Association of Retail Druggists would hold its annual convention in Philadelphia this year.

During the same week of that convention the American Pharmaceutical Association held its annual session in Philadelphia. At each of these conventions elaborate exhibits of new drugs were shown and the developments of scientific research were discussed.

At the Jan. 4 meeting of the Wholesale Drug Trade Ass'n., Colgate alleys, Jersey City, the teams of E. R. Squibb & Sons No. 2 and Lanman & Kemp registered double victories. Colgate & Co., and Grasselli Chem. Co. lost 2 out of 3 games. The scores for the evening were: E. R. Squibb No. 2 (75) 894 vs. Colgate & Co. 853; Colgate & Co. 936 vs. Grasselli Chem. Co. (75) 856; Lanman & Kemp (75) 973 vs. Colgate & Co. 958; Grasselli Chem. Co. (75) 899 vs. Lanman & Kemp 818; Lanman & Kemp 926 vs. E. R. Squibb (52) 817; E. R. Squibb No. 2 748 vs. Grasselli Chem. Co. (50) 717. Connelly, Lanman & Kemp and Heathwood, Colgate & Co. tied for high score of the evening at 236. Others bowling 200 scores were: Thompson, Grasselli Chem. Co., 223; Norman, Colgate & Co. 205 and McGillen Lanman & Kemp, 201.

Universal Chemical Products Corp., recently located at Newark, N. J., are now at 72 Cortlandt St., New York. The new telephone number is Cortlandt 0947. Burt H. Goddin is president of this company.

OIL LEMON AND CRESYLIC ACID HIGHER

Firmer Market in London for Carbolic Acid and Oil Orange—Prices Lower on French Lavender, Saffron, Potassium Bromide, Olive Oil, Linseed Oil, Pepper and Shellac

(Special Cable to Drug & Chemical Markets)

London, Jan. 13—Crude drugs and fine chemicals are higher this week. Trading is quiet. Advances are announced in oil lemon and cresylic acid. A firmer tone is reported in carbolic acid and oil orange.

The market is easier for sal soda, star anise oil, cloves and oil cajuput.

Prices are lower on French oil lavender, saffron, potassium bromide, olive oil, linseed oil, pepper and shellac.

London, Dec. 26 (By Mail)—The drug business has suffered this week from the holidays, and few changes have to be recorded.

Lemon Oil is again somewhat higher and all cheap parcels in second hands have been absorbed. Today's spot price for good quality is about 6s 9d per lb.

Essential Oils and particularly **Bergamot** have been in exceptionally good demand right up to the close and it is probable that improved prices will rule in the early part of the New Year.

Valerian Root—Late reports from Belgium indicate that the collection will be a good one attended by lower prices.

Bismuth Metal and Salts continue firm since the recent further advance.

Sugar of Milk of Dutch origin is dearer at 75s per cwt.

Opium has recovered from last week's easier tendency and is firm at 24s per lb on spot.

Gum Tragacanth and Senega Root (at 2s 11d per lb) closed firm with upward tendency.

Ergot of Rye—In view of probable arrivals again from Russia direct, both Spanish and Portuguese have declined.

1,500,000 GALLONS FOR BOOTLEGGERS

Charged with violating the prohibition laws in a nation-wide conspiracy to obtain and divert bonded alcohol from Government warehouses, Samuel and Barney Tassel, heads of a Philadelphia perfume and hair tonic establishment, were held in \$35,000 bail each by United States Commissioner Manley on Jan. 8. The brothers were arrested by Federal agents on indictments returned by a Federal Grand jury in Columbus, O.

According to the Federal authorities more than 1,500,000 gallons of Philadelphia bonded alcohol were poured into the nation-wide "bootleg" trade during the last three years. A fleet of automobiles transported 10,000 gallons of alcohol weekly from Philadelphia to Columbus, Cleveland and Detroit. It is alleged by the Government that the Tassels under the guise of being manufacturers of hair tonics and barber supply products containing a high alcoholic content were able to obtain large quantities of alcohol from Federal warehouses in Philadelphia.

H. A. Metz Laboratories, Inc., are continuing to occupy the space formerly occupied by them and the General Dyestuffs Corp. at 122 Hudson St.

John S. Queeny and W. S. Goff, Monsanto Chemical Works, St. Louis, were in New York on business last week.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 129-134

ASAFETIDA HIGHER FOR SHIPMENT

Spot Also Advanced—Goldenseal and Juniper Berries
Also Sharply Higher—Fish Berries Lower—Areca
Nuts, Powdered Gentian Root, Spanish Saffron Re-
duced in Price—Market Still Quiet But Better In-
quiry Evident

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Asafetida, 3c lb.
Colocynth Pulp, 3c lb.
Elemi Gum, 2c lb.
Goldenseal, 35c lb.
Guaiac Gum, 3c lb.
Juniper Berries, 1c lb.
Marjoram, Chile, 1c lb.

Declined

Anise, Span., 1/4c lb.
Areca Nuts, 2c lb.
Canary Seed, Du., 1/4c lb.
Caraway Seed, Du., 1/4c lb.
Celery Seed, 1/4c lb.
Fish Berries, 1c lb.
Gentian Root, powd., 1c lb.
Ginger, 1/4c lb.
Kino Gum, 5c lb.
Orris Root, Ver powd., 1c lb.
Pimento, 1/4c lb.
Saffron, \$1.50 lb.
Sandarac Gum, 4c lb.

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Aconite Root, USP	\$26	\$26	\$26	\$33	\$90	\$42
Buchu Leaves, Short .....	.58	.58	.76	.80	4.00	.85
Cantharides Russian .....	.60	.60	.60	.85	9.00	2.10
Cocculus Indicus .....	.06	.07	.07	.12	.85	.03
Ergot, Spanish .....	.75	.75	.80	.60	4.50	.54
Insect Powder, pure .....	.29	.29	.29	.45	1.00	.28
Ipecac, Cartagena, powd ..	3.30	3.30	2.85	2.85	4.50	1.35
Nux Vomica .....	.05	.05	.05	.05	1.44	.07
Opium gum	12.00	12.00	12.00	12.00	30.00	5.00
Rhubarb Root, H D .....	.35	.35	.75	.36	1.75	.15
Tragacanth, No 1 ribbon ..	1.65	1.65	1.65	1.15	6.00	1.50
Wild Cherry Bk. Thin nat.	.08	.08	.08	.08	.21	.07

Average 1.669 1.670 1.631 1.58 5.28 1.60

The crude drug market has not yet entirely recovered from the taking of inventories, when buying is naturally held in abeyance. Some improvement in demand has been noted this week, and buying will probably improve steadily as consumers begin buying to replenish their stocks. Features in price changes are a sharp advance in asafetida following higher advices from abroad, where the crop is somewhat smaller this year, higher prices in juniper and goldenseal root. Spanish saffron is lower due both to lack of active demand here and to easier shipment quotations from abroad, and fish berries are easier. The spice market has not been so active during the past two or three weeks, and price changes are not so great nor so frequent in that group. The gums and waxes remain generally firm although a few price reductions were noted.

Botanical Drugs

Aconite—Both root and leaves are very firm at unchanged prices.

Althea—There is a tendency to higher prices on the part of some sellers, but there is no actual change in the market.

Anise—Spanish is somewhat easier at 13c@13 1/2c lb with other varieties unchanged.

Areca—Nuts are lower in price at 18c@20c lb with demand routine.

Belladonna—Market is firm with prices well maintained and no shading now in evidence.

Buchu—Some stocks of leaves are offered at 52c lb but most holders are unwilling to shade 58c@60c lb. Demand is very weak.

Canary Seed—Dutch seeds are easier at 6 1/4c@6 3/4c with other varieties unchanged.

Caraway Seed—African is lower at 7 1/2c@8c and Dutch at 6 7/8c@8 1/2c lb.

Cascara Sagrada—Increased demand is noted and there is a tendency to quote 14c lb for 1925 peel although 13 1/2c can still be done in quantity lots.

Celery Seed—Prices continue lower and are now quoted at 23c@23 1/2c lb.

Colocynth—Pulp continues to advance and most holders are now asking 35c@40c lb although 33c could probably be done.

Dandelion—This root is quiet with price unchanged at recent decline.

Digitalis—There is less tendency to shade the price which is now very firm at 25c@30c lb as to holder.

Ergot—Demand is negligible and prices are open to shading in some directions.

Fish Berries—New arrivals of stocks have eased this market and the price is now down to 6c@6 1/2c lb.

Gentian—Ground and powdered root are lower at 11c@12c lb with whole unchanged at 7 1/4c@8c lb.

Goldenseal—Root has again advanced and is now held at \$5.25@\$5.30 for the whole and \$5.45@\$5.50 for the powdered.

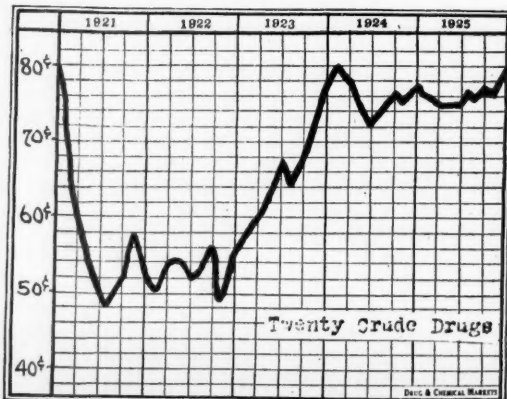
Insect Flowers—Market is now rather quiet and prices are unchanged. There is less tendency to shading.

Ipecac—A few small lots were brought in last week, but these were immediately absorbed and brought no relief to the market. Whole root is still normal with powdered held at \$3.30@\$3.55 lb according to holder.

Juniper Berries—Market is firmer both locally and at primary sources. Price has advanced to 6c@6 1/2c lb.

Lycopodium—Trading is inactive with small stocks on hand. Prices are unchanged.

Marjoram—Demand is slight and stocks are limited. Chilean is now quoted at 36c@37c lb.



DRUG & CHEMICAL MARKETS

107

Orris Root—Market is very firm with demand good. Verona powdered is lower at 11c@12c lb.

Rosemary Leaves—Trading is routine with price quiet at 7c@10c lb as to holder.

Sarsaparilla—There has been no relief in this item and Mexican is still nominal.

Senna—This market is very firm and prices are steady at established figures.

Spices

Cassia—Prices are unchanged with slightly less activity noted.

Ginger—African ginger is lower at 14½c@15c lb, ABC Cochin is down to 17¼c@17½c lb and lemon Cochin is down to 17c@17½c lb. Other varieties are unchanged.

Mustard—All varieties remain firm with prices unchanged at recently established figures. Dutch stocks are small with other varieties easier.

Pimento—This continues scarce but the price has eased off a trifle to 16¾c@17c lb.

Gums and Waxes

Arabic Gum—Prices are unchanged on a firm market.

Asafetida Gum—Stocks are scarcer both here and abroad and shipment quotations are higher. Spot stocks have advanced to 28c@30c lb. Powdered has shown no change as yet.

Bayberry Wax—Market is quiet with prices unchanged.

Beeswax—Stocks are rather limited with prices firm and unchanged.

Carnauba Wax—Market is firm at unchanged prices.

Chicle Gum—Demand is good at 75c@80c lb.

Elemi Gum—Stocks are extremely scarce and price is nominal at the advanced figure of 21c@33c lb.

Guaiac Gum—Price has advanced to 44c@45c lb.

Kino Gum—Activity is lacking and the price is easier at 50c@55c, despite small stocks.

Sandarac Gum—Prices are lower at 36c@38c lb.

John Clarke & Co., Inc., New York spice brokers, characterize the year 1925 as one of expanding needs in European markets with short crops in the Orient. The trade finds itself at the beginning of 1926 fairly well supplied with peppers but poorly equipped with pimento, cassia and ginger, and the general supply at present is not sufficient to meet the normal buying of the first three months of the year. They therefore anticipate a more or less feverish market about the middle of January.

S. B. Penick & Co. have sold their old plant at Jersey ave. and Gilchrist st., Jersey City, to the Junction Milling Co. S. B. Penick have not occupied the plant since the interior was destroyed by fire in August 1924, but are now using the plant which they bought about a year ago.

Chas. L. Huisking was re-elected chairman of the Drug and Chemical Section of the New York Board of Trade and Transportation at the annual meeting held January 6. W. T. Daugherty, U. S. trade commissioner to Germany addressed the meeting on the German chemical industry.

It is reported in the trade that Murray & Nickell Mfg. Co., Chicago, who recently purchased the business of Nickells Rowland Co., New York, are planning the opening of a New York branch office in the near future.

Price List Revisions on Proprietary and Toilet Preparations

Name of Item	Unit	Now	Was
Carter, Medicine Co., New York			
A-Carter's Little Liver Pills	doz.	\$2.00	\$1.67
(New Price Effective January 1.)			
Herbert & Whiting Co., Brooklyn, N. Y.			
N-Terrasil, Herbert	doz.	9.35	
The United Medicine Co., Philadelphia, Pa.			
N-Chase's Diuretic Tablets, small, retails 50c	doz.	4.00	
N-Chase's Diuretic Tablets, large retails \$1.00	doz.	8.00	
(Replacing Chase's Kidney Tablets)			
E. Bilhuber, Inc., New York			
N-Cardiazol, Knoll, Powder, 5 gm. vials	each	2.50	
N-Cardiazol Tablets, 1½ gr., 10's	each	1.00	
Bottles of 100	each	5.50	
N-Cardiazol Ampoules (1 cc. = 1½ gr.) 6's	each	4.25	
Boxes of 30	each	.60	
N-Iod-Calcium-Diuretin Tablets, 9 gr., 20's	each	2.75	
Bottles of 100			
Merck & Co., New York			
D-Cinchophen, powder, pounds	each	6.90	8.25
D-Cinchophen Tablets, 7½ gr., 30's	each	.65	.80
Bottles of 100	each	1.70	2.10
D-Digitan Solution for oral use, 12 cc. c. b.	each	.65	.95
1 fld. oz. c. b.	each	1.50	2.10
Shuford Medicine Co., Atlanta, Ga.			
D-No. 1 Alternative Powders	doz.	3.00	4.00
N-Germ-I-Cide	doz.	16.00	
N-F. P. W. Tonic	doz.	16.00	
Milton-Jay Company, Chicago, Ill.			
N-Its-Jake Injection	doz.	8.00	
N-Its-Jake Emulsion	doz.	8.00	
Frederick F. Ingram Co., Detroit, Mich.			
N-Eliteine, 4 oz.	doz.	3.00	

(One size only; formerly made in small, medium and large sizes)

In view of the changes in the tenth revision of the United States Pharmacopoeia, which were effective Jan. 1, 1926 and also in the fifth edition of the National Formulary, which will be issued some time during 1926, all preparations which are official in either the ninth or tenth revisions of the United States Pharmacopoeia, and the fourth or fifth editions of the National Formulary, should be recognized for permit purposes until such time as permits are renewed for 1927, says Commissioner of Internal Revenue, Blair in a statement to Prohibition Administrators.

All manufacturers of insecticides and fungicides doing business in the State of Pennsylvania must register their products after Jan. 1, to make sales legal in Pennsylvania. This ruling which includes firms domiciled in the state and those doing business there, was made a law at the 1925 session of the Legislature.

Insulin from vegetable origin and compressed in tablet form can be produced and marketed at a cheaper price than animal insulin, according to Prof. Brugsch, Berlin University, who has extracted and compressed some of it from acorns.

A shortage of pepper in London caused the price to advance to 35 cents a pound, on Monday, Jan. 11. Just after the war pepper sold for 12 cents. Planters are said to have neglected pepper in order to raise rubber.

Alexander S. Pilat, druggist, of 2270 84th street, Brooklyn, filed a voluntary petition in bankruptcy with the Federal Court in Brooklyn.

The shipment of talc in quantities has been commenced by the Ganim Mining Co. of Schilling, Cal., and an output of 1,000 tons a month is expected shortly.

The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 134-136, Aromatic Chemicals 137

MESSINA CITRUS OILS TREND UPWARD

Great Strength Indicated at Opening of Consuming Market—Sweet Almond Scarce—Anise Easier—Citronella Very Firm—Bourbon Geranium Lower—Lime Practically Off the Market—Peppermint and Spearmint Dull—Oleoresin Cubeb Lower

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced	
Oil Sweet Almond, 5c lb.	Oil Lemon, Ital., 10c lb.
Oil Limes, 50c lb.	
Declined	
Oil Cassia, redis., 10c lb.	Oil Spearmint, 50c lb.
Oil Geranium, Bourbon, 10c lb.	Oleoresin Cubeb, 50c lb.
Menthol, 25c lb.	

Trend of the Market

	Today	Last Week	Last Month	Last Year	War Peak	Pre-War
Oil Bergamot	\$5.40	\$5.40	\$5.35	\$3.45	\$7.00	\$5.00
Oil Citronella Ceylon ....	.48	.48	.47	.74	1.02	.60
Oil Cloves	1.85	1.85	1.85	2.00	3.70	1.40
Oil Lemon, Italian	2.15	2.05	2.00	.97½	1.70	2.00
Oil Peppermint Nat	27.00	27.00	28.00	10.00	9.00	2.24
Oil Sandalwood, E J	7.10	7.10	7.10	7.00	14.00	5.25
Oil Sassafras, Artif. ....	.27	.27	.27	.35	1.00	.26
Coumarin	3.10	3.10	3.10	3.25	3.00	3.10
Benzaldehyde, U S P	1.15	1.15	1.15	1.50	5.15	1.50
Methyl Salicylate Cans ..	.43	.43	.43	.47	1.00	.85
Vanillin .....	.49	.49	.49	.40½	.95	.20
Average	4.63	4.62	4.71	2.84	6.83	2.05

Interest in the essential oil market centers about Messina oil this week. The crops have about all been gathered now and the amount available is known. A very firm tone is expressed by Italian shippers and as this is just about the beginning of the buying season, such firmness is generally taken to augur higher prices for all the oils in this group. Sweet almond is scarce and tending higher, redistilled cassia is quiet on spot with shipments quoted higher, citronella is very firm, clove is tending upward, geranium is lower while an absolute absence of demand is keeping peppermint quiet. There is little of interest in the way of developments in the market for aromatic chemicals, which are generally moving steadily at unchanged prices. The aspect of the market is one of fair demand, stocks moving well, and prices tending firm and upward.

Essential Oils

Oil Almond—Continued scarcity in sweet oil has caused most holders to advance their price to \$1.00@ \$1.10. Bitter oil U. S. P. and fIPA are unchanged in price and position.

Oil Anise—Spot supplies are now easier and the effect on the market is noticeable although prices are quoted at unchanged figures. U. S. P. is quoted 68c@72c lb with technical at 65c@68c lb.

Oil Apricot Kernel—Following the stronger tendency noted recently this oil is now in a strong position and generally quoted at 58c@60c lb, an advance of 1c lb.

Oil Bergamot—This product continues firm and some factors are quoting higher prices. However, \$5.40@\$5.75 can still be pretty generally done. The strength in this item is general.

Oil Cananga—Shipment prices are still quoted higher than spot prices, but the spot market continues quiet and the price here has shown no change.

Oil Cassia—The spot market has been easy for some time and prices for redistilled have been reduced by some holders to \$3.15@\$3.25 lb despite repeated reports of stronger replacement positions.

Oil Citronella—Spot stocks of Ceylon citronella oil are in a very strong position, due to higher replacement costs and some sellers are holding for 50c@51c lb in drums and getting it. Lots are still offered on spot, however, at 48c@49c lb, although there seems little likelihood of anything lower being obtainable. Java is unchanged in position.

Oil Cloves—This product is very firm and some holders are quoting \$1.90 as the best price obtainable, but some material is still available at \$1.85. The range of prices for small lots has been advanced to \$1.90@\$2.00 lb.

Oil Erigeron—This market remains entirely unchanged with prices steady.

Oil Eucalyptus—Prices for all varieties of eucalyptus are unchanged with the position generally strong.

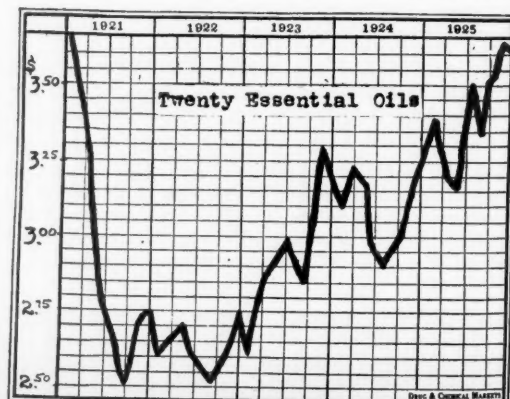
Oil Geranium—Several factors are making their effect felt on this item and the price of Bourbon has declined to \$3.65@\$3.75 lb. Demand is very quiet and the financial condition in France with the consequent depreciation of the franc renders this market weaker. Prices for other varieties are unchanged and the demand is desultory.

Oil Lemon—Italian oil has advanced sharply during the week, some sellers having advanced their price twice within that period. Replacements are very high, which fact taken at the very outset of the buying season, is taken by some to preface a \$3.00 market in the near future. Spot prices are now at \$2.15@\$2.35. American and terpeneless oils are unchanged.

Oil Lime—This product is also very firm and all prices quoted for expressed oil are nominal. Quotations vary around \$6.50@\$7.00 but are all subject to ability to obtain the goods. Distilled oil is in little better position with the price held at \$2.45@\$2.60.

Oil Orange—Strength has also been added to the market for orange oil and Italian oil is quoted in some hands at \$3.15@\$3.55 lb but is still obtainable at \$3.00. However, this oil is not as active a feature as lemon.

Oil Peppermint—At prevailing prices, no buying in-



terest can be found. Some easiness is evident but if an order appeared the price would probably advance to still higher figures.

Oil Spearmint—Spot has declined to \$12.50@13.00 lb on poor demand which followed recent high prices. This item is affected more or less by the peppermint market.

Oil Wormseed—Concentration of stocks continues with prices unchanged at recent figures.

Oil Wormwood—Prices are unchanged with stocks somewhat limited and held in few hands. Demand is fair with little change in situation likely.

Oleoresin Cubeb—Following weakening in price of the berries, the oleoresin is easier at \$3.50@3.75 lb.

Aromatic Chemicals

Benzaldehyde—This situation is materially unchanged with manufacturers' prices steady and demand routine.

Coumarin—Prices are firm at \$3.10@3.25 lb with a normal demand noted and market generally steady.

Terpineol—Some unsteadiness is still evident in this article but prices remain unchanged at established levels.

Vanillin—Manufacturers remain firm at 49c oz. in quantity lots, although resellers are willing to do 48c. The material is firm and seems likely to hold at the recent advance.

Vanilla Beans

The market for vanilla beans has been exceedingly quiet and prices have shown little tendency to change. South American beans have been reported lower at \$3.75@4.00 with other varieties unchanged at \$7.00@9.00 for Mexican whole or \$5.00@6.50 for Mexican cuts; \$2.75@3.50 for Bourbons and \$2.75@2.75 for Tahiti yellow label.

Citronella oil is more likely to show a profit when produced on the basis of a side issue to the other operations of a farm, rather than as a separate enterprise, says the superintendent of a West Java citronella oil factory. This is explained by the fact that very often there are tracts on which serah grass will thrive to better advantage than other crops. It is possible to cut the grass three times in a year and from this a sufficient crop may be realized to operate a small plant.

L. M. Villalon, who has been temporarily in charge of the New York territory for Ungerer & Co. since the death of E. L. Whitehouse some months ago, sailed Thursday, Jan. 7, for Cuba. His trip will cover Cuba, Porto Rico and Mexico where he will visit Ungerer's correspondents and customers. Mr. Villalon is in charge of the Cuba, South and Central American export department of Ungerer & Co.

H. B. Moore and G. W. Collins have joined the sales staff of Ungerer & Co. to give more complete service to metropolitan users of essential oils, perfumery and flavoring materials. Mr. Collins was formerly associated with Cox, Aspden & Fletcher. Mr. Moore comes to Ungerer & Co. from Irving R. Boody & Co., importers of Chinese products, and E. R. Smead Co.

The plant of C. W. Beggs & Co., manufacturers of perfumes and cosmetic preparations, 1744 North Richmond st., Chicago, was damaged by fire on the morning of Jan. 5. It is stated that the damage amounted to \$100,000, completely covered by insurance. Tanks of denatured alcohol in the basement were undamaged.

Burton T. Bush, New York, have moved their offices to 101 5th ave. The new telephone number is Stuyvesant 8557.

A. D. Smack Co., New York, have moved to 193 Front st. The new telephone number is John 1845.

ITALIAN ESSENTIAL OILS UNSETTLED

Demand Enhanced By Removal of Tax on Soap Manufacture—December Closes on Fair Activity

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, Dec. 26—Prices for lemon juice, that declined all through October, advanced in November, owing to lower Sicilian figures for the product of the new harvest. The demand for lemon juice is fair. Sweet orange oil, although still sold in fair quantity, is declining in price, although not to the same extent as bitter orange oil, the sales of which are quite small. The request for bergamot oil has improved remarkably of late, and prices are higher than in September.

The fluctuations in lemon juice prices per kilo were as follows in October and November:

	Oct. 5	Oct. 26	Nov. 2
Sweet orange	140-146	140-145	140-145
Bitter orange	140-145	140-145	138-145
Bergamot oil	305-317	315-330	315-330
Lemon	87.50-93.50	84-90	86-91
Mandarine	400-425	410-435	415-435

The act of the Italian Government abolishing the tax on the production of soap, has given impulse to the demand. Angelica root and angelica seed oils are in fairly request despite the higher prices.

The uncertain political conditions in China have brought a further rise in anise oil. Arrivals from Sicily and Calabria of essence of orange flowers have been sold at better prices. Good prices are obtained for Bay S. Thomas. Blue chamomiles have advanced as a consequence of large orders received. Chinese cinnamon is quoted at high prices, but did not bring up the price of the Ceylon product. Italian lavender oil benefitted by small importation of the French product. Piedmontese peppermint oil also has advanced. Calabrian lime juice remains unchanged and only small lots can be disposed of. Mustard seed oil is in satisfactory request by consumers. Quotations are as follows per kilo:

Ceylon citronella, 55 lire; angelica root, 1,000 lire; angelica seeds, 1,600 lire; anis, 55 lire; orange flowers, 1,500 lire; basilicum, 850 lire; artificial bergamot oil, 140 lire; cajuput, 50 lire; Roman chamomiles, 1,800 lire; Ceylon cinnamon, 380 lire; Ceylon cardamom, 2,400 lire; Cedar fruits, 120 lire; Ceylon citronella, 55 lire; eucalyptus, 42 lire; fennel, 85 lire; cloves, 145 lire; African geranium, 350 lire; juniper, 90 lire; Piedmontese peppermint, 550 lire; Italian petit grain, 280 lire; Italian rosemary, 32 lire; mustard seed, 295 lire; artificial wintergreen, 38 lire; ylang ylang, 800 lire; Italian lavender, 360 lire.

Stockholders of V. Vivaudou, Inc., have approved the proposal to change 340,000 shares of common to no par value from \$10, to authorize an increase to 500,000 shares of no par common from 340,000 shares, and to create 21,000 shares of 7 per cent cumulative convertible preferred of \$100 par.

Toronto, Canada, Jan. 13—A large deposit of infusorial earth has been discovered in the Muskoka district of Ontario by C. Perkin, of Toronto. The deposit which ranges from 5 to 25 per feet in depth extends over an area of about 30 acres, indicating a total quantity of about 250,000 tons.

Fratelli Jung, Palermo, write that while the demand for lemon oil continues good and shows an advancing tendency, the recent appearance of strength in orange and bergamot oils has receded leaving the market for them rather flat.

Prices Current of Fine and Heavy Chemicals, Drugs, Essential Oils, Dyestuffs and Oils

CLASSIFICATION—Prices quoted herein are listed in the following groups: Chemicals, including heavy, technical and industrial chemicals; fine, medicinal, and photographic chemicals; coal-tar crudes and intermediates; tanning and dye extracts; dye and tan woods; naval stores; fillers and pigments; dextrans, sizes and starches; fertilizer materials, accelerators and solvents, and miscellaneous products; Crude Drugs, including barks, herbs, roots, etc. Essential oils, including oleoresins, synthetic aromatic chemicals and isolates. Fatty Oils, including animal, vegetable, and fish oils, tallows, greases and fats. All groups are in alphabetical order.

Packages—Prices are for large quantities in original packages of the customary trading units of weight or measure. A container given in connection with a price does not necessarily mean that this is the quantity on which the price is based. Containers named are the original packages most commonly sold in this market.

QUOTATIONS—Chemical prices quoted herein are those of American manufacturers unless otherwise specified. Quotations on imported chemicals are so designated. Where resale or "second hand" stocks of any chemical products are sufficient to be considered a factor in determining the market, prices for goods in this class will be quoted in addition to makers' prices available, and indicated as such.

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Chemical prices quoted herein are for goods spot New York or Metropolitan District, f. o. b. ex-store, for immediate shipment, unless otherwise specified. Numerous domestic made heavy or industrial chemical products are sold principally on a basis of f. o. b. works, and are thus quoted in the list herein, each instance of a "works" price, however, being specified as such.

Fatty Oils prices quoted herein are for goods spot New York unless otherwise noted; f. o. b. mills and Coast prices being designated as such. Crude Drugs and Essential Oils are quoted f. o. b. New York (Manhattan with limitations) for immediate shipment. Tanning and Dye Extracts are quoted spot New York unless otherwise noted.

WEIGHTS AND MEASURES—All quotations are made on a basis of avoirdupois pounds and ounces, and American gallons. The following equivalents are given for the reference of exporters, importers, and foreign buyers:

1 Imperial Gallon (British)	—1.20 American Gallons
1 American Gallon	— .833 Imperial Gallon
1 American Gallon	—3.79 Liters
1 Liter	— .264 American Gallon
1 American Gallon (Water)	—8.35 Pounds
1 Pound (Avoirdupois)	— .454 Kilogram
1 Kilogram	—2.20 Pounds

Chemicals

Acetaldehyde, Dry, or Cyl. c-1 wks	..	.26
le-1 wks	..	.35
ACETANILID, tech., 150 lb bbls	..	.21
100 lb kegs	..	.23
USP, 200 lb bbls	..	.37 1/4
Second hands	..	.34
Acetic Anhydride	..	
85% 107 lb chys	..	.27
92-95%, 100 lb chys	..	.29
Acetic Ether, see Ethyl Acetate	..	
Acetone, 50 gal drums	..	.35
Acetone, CP, 700 lb drs c-1 wks	..	.12
Tank cars, wks	..	.12
700 lb drs le-1 wks	..	.13
350 lb drs le-1 wks	..	.14
Acetone Oils, light, drs. wks	gal	1.40
Heavy, drs wks	gal	1.40
Acetophenetidin, 225 lb bbls	..	1.85
Acetyl Chloride, 100 lb chys	..	.42
Acetylenetetrabromide	..	1.50
Acetylenetetrachloride Drums wks	..	.10 1/2
ACID, 1, 2, 4, 250 lb bbls	..	1.25
Acetic, 28%, 400 lb bbls c-1	..	
wks	..	3.24
28% le-1 wks	..	3.49
56% c-1 wks	..	6.09
56% le-1 wks	..	6.34
70% bbls c-1 wks	..	7.51
70% le-1 wks	..	7.76
80% com'l bbls c-1 wks	..	8.41
80% com'l, le-1 wks	..	8.66
80% pure bbls c-1 wks	..	9.30
80% pure le-1 wks	..	9.55
Glacial, bbls c-1 wks	..	11.47
Glacial, le-1 wks	..	11.72
Glacial, USP, c-1 wks	..	12.22
Second hands	..	.70
Anthracine, tech., drs	..	.80
99-100%, 100 lb drs	..	.98
Benzene, tech., 100 lb bbls	..	.58
Tech., ton lots bbls	..	.57
USP, 100 lb bbls	..	.60
Second hands	..	.55
Boric crys., powd, 250 lb bbls	..	.10
Keps 100 lb	..	.10 1/4

ACID

Butyric, 60% pure 5 lb bot	..	.55
90%	..	.70
CP 10 lb bot	..	1.25
Camphoric USP, VIII 1 lb bot	..	4.85
Carbolic, USP, crys see also Phenol	..	
112 lb tins	..	.24
25 lb tins	..	.27
5 lb tins or bot	..	.29
1 lb bot	..	.34
Liquid USP, 1 lb bot	..	.33
Crude, 35% 50 gal bbls gal	..	.31
10% 50 gal bbls gal	..	.25
Carbonic, see Carbon Dioxide	..	
Chloroacetic	..	
Mono 100 lb bbls wks	..	.25
Di, 150 lb chys wks	..	1.00
Tri, 5 lb bot	..	2.50
Chlorosulfonic, 1500 lb drs	..	
wks	..	.15
Chromic, USP, 200 lb drums	..	.40
98% Pure 400 lb drums	..	.37
Chromotropic, 300 lb bbls	..	1.25
Chrysophanic, see Chrysarobin	..	
Cinnamic, 5 lb cans	..	3.25
CITRIC, CP, cryst. 230 lb bbls	..	.45 1/4
Food, USP, 200 lb bbls	..	.46 1/4
Imported crys., 112 lb kegs	..	.45
Single kegs	..	.47
Cleve's 250 lb bbls	..	.95
Cresylic, 95% dark drs NY gal	..	.52
97-99% pale NY gal	..	.54
Crude, spot drums	..	
Diethylbarbituric, Dom., 25 lb lots	..	
1 lb bot	..	8.00
Imp. bulk	..	4.15
Formic, 85% tech., 140 chys	..	.10
90%-80% chys incl	..	.10 1/4
Gallie, USP, 150 lb bbls	..	.55
Tech.	..	.55
Gammex, 225 lb bbls wks	..	1.30
Glycerophosphoric, 25% 1 lb bot	..	1.85
H 225 lb bbls wks	..	.68
Iodide, 10% USP 5 lb bot	..	.68

ACID (Cont)

Hydrobromic, 48% com'l. 155 lb	..	
chys wks	..	.45
48% com'l. 10 chys wks	..	.45
40% USP, 155 lb chys wks	..	.55
10% USP, 100 lb chys wks	..	.13
Hydrochloric, see also Acid Muriatic	..	
CP, USP, 110 lb chys	..	.07
Hydrocyanic, wks c-1	..	1.00
HYDROFLUORIC, 30% 400 lb bbls	..	
wks	..	.06
30% 100 lb chys. wks	..	.08
48% single 100 lb chys wks	..	.10
52% 100 lb chys. wks	..	.12
52% 10 chys wks	..	.11
60% 100 lb chys. wks	..	.14
60% 300 lb dr. wks	..	.13
White Acid, 100 lb chys. wks	..	.26
White Acid, 10 chys wks	..	.25
Hydrofluosulfic, 35% 450 lb bbls	..	
wks	..	.10
Hypophosphorous, USP 30% 5	..	
gal. demis	..	.35
USP, 10% 5 gal demis	..	.36
LACTIC, 22% dark 500 lb bbls	..	.06 1/4
22% light, bbls	..	.07
44% dark, bbls	..	.11
44% light, bbls	..	.13
66% dark, bbls	..	.13 1/4
66% light, bbls	..	.26
USP, IX 100 lb chys	..	.70
USP, VIII 100 lb chys	..	.80
Laurent's 250 lb bbls	..	.80
Metanilic, 250 lb bbls	..	.60
Mixed, Sulfuric-nitric	..	
Drums, wks	..	.07 1/4
Drums wks	..	.01
Tank cars, wks	..	.06 1/4
Tank cars wks	..	.06
Molybdic, 85% pure 100 lb kegs	..	1.25
100% CP, 100 lb kegs	..	1.30
Monosulfonic F.Delta 50 lb tins	..	1.75

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.. : .70
.. : .50
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.. : .65

.07% : .08
.01 : .01%
.06 : .06%
.008 : .01
.25 : 1.30
.30 : 1.35
.75 : 1.80

Ether Sulphuric—Cooper's

U. S. P. Concentrated

U. S. P. for Anesthesia

COOPER'S
CERTIFIED
CHEMICAL

In the Hospitals, Operating Rooms, wherever the influence of a powerful Anesthetic is required, COOPER'S SULPHURIC ETHER for ANESTHESIA is administered with confidence established by the infinite care taken in its preparation.

Manufacturing
Chemists
Since 1857

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The American Standard for over a Century



POWERS-WEIGHTMAN-ROSENGARTEN CO.

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New York

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Part owner and executive manager chemical import house with important foreign connections desires become associated with progressive American manufacturer, where application, past experience, hard work and connections will serve both employer and employed.

Applicant only interested in association with firms possessing adequate capital, now producing, operating or controlling plants making heavy chemical, coal-tar or pharmaceutical products; allowing full utilization of his foreign and domestic connections.

Box 363, Drug & Chemical Markets

Chemicals

ACID				ACID				ACID			
MURIATIC, 20° chys lc-l				Floric, 450 lb bbls				Valeric, CP, 10 lb bot			
wks	100 lb	1.60	: 1.70	Pyrogallie, crys., 5 lb cans	lb	1.25	: 1.30	Aconitine Alk., cryst., 1 oz vis.	oz	...	: 30.00
Chys, c-l wks	100 lb	...	: 1.35	Resublimed, 5 lb cans	lb	1.50	: 1.60	Amorphous 1 oz vis.	oz	...	: 20.00
Tank cars, wks	100 lb	...	: 1.00	Tech., powd., 200 lb bbls	lb	...	: .85	Adeps Lanac hydrous 350 lb bbls	lb	.20	: .21
18° 120 lb chys				Salicylic, tech., 125 lb bbls	lb	.33	: .34	Anhydrous, 350 lb bbls	lb	.22	: .23
c-l wks	100 lb	...	: 1.25	USP, 100 lb bbls	lb	.34	: .35	Albumen, Egg, edible	lb	1.13	: 1.13
Tank cars, wks	net ton	...	: ...	Second hands	lb	.33 1/2	: .34 1/2	Tech., 100 lb drs	lb	1.10	: 1.14
22° 120 lb chys				Sulfanilic, 250 lb bbls	lb	.15	: .18	Blood 225 lb bbl	lb	.55	: .60
c-l wks	100 lb	...	: 1.75	SULFURIC, 66° 180 lb chys				Vegetable edible	lb	.60	: .65
Muriatic, CP, & USP, see Acid Hydrochloric				lc-l wks	100 lb	1.50	: 1.85	Technical	lb	.60	: .65
Naphthionic, tech., 250 lb bbls	lb	.55	: .59	Chys, c-l wks	100 lb	...	: 1.25				
Neville & Winther's 250 lb				1.500 lb Drums lc-l							
bbls	lb	.95	: .99	wks	100 lb	...	: 1.10				
NITRIC, 36° 135 lb				Drums c-l wks	100 lb	...	: .80				
Chys lc-l wks	100 lb	...	: 5.00	Tank cars, wks	net ton	...	: 14.00				
Chys c-l wks	100 lb	...	: 4.75	60° 1500 lb drums							
38° lc-l wks	100 lb	...	: 5.50	lc-l wks	100 lb	...	: 1.00				
Chys c-l wks	100 lb	...	: 5.25	Drums, c-l wks	100 lb	...	: .75				
40° lc-l wks	100 lb	...	: 6.00	Tank Cars, wks	net ton	...	: 10.00				
Chys, c-l wks	100 lb	...	: 5.75	CP., 175 lb chys	lb	.07	: .08				
42° lc-l chys., wks	100 lb	...	: 6.50	Oleum 20 pc 1500 lb drums							
Chys, c-l wks	100 lb	...	: 6.25	lc-l wks	100 lb	...	: 1.40				
CP., chys single wks	100 lb	.12	: .13	Drums, c-l wks	100 lb	...	: 1.15				
Oxalic, 300 lb bbls, wks	lb	.10 1/4	: .11	Tank cars, wks	net ton	17.00	: 18.00				
Bbls., NY	...	.10 1/4	: .11	Oleum, 40% drs lc-l wks net ton	...	40.00	: 40.00				
Keps, 100 lb NY	...	.11 1/4	: .11 1/4	Oleum, 60% drs, lc-l wks net	ton	60.00	: 70.00				
Imp., 560 lb casks	lb	.11	: .11 1/4	Sulfurous, USP 6% 100 lb chys	lb	.05	: .06				
Phenylechinonide	lb	5.00	: 5.25	4% 100 lb chys	lb	.04	: .05				
Phosphoric, 50% tech., 150 lb				USP, 5 gal demis	lb	.06	: .08				
Ochs	lb	.07	: .07 1/2	Tannic, tech., 300 lb bbls	lb	.30	: .40				
Syrup USP, 70 lb drums	lb	.15	: .16	USP, powd., 200 lb bbls	lb	.75	: .80				
Demis	lb	.16	: .17	USP, fluffy, 50 lb bbls	lb	.75	: .80				
Imported	lb	.15	: .16	Tartaric, USP, crst., 300 lb bbls	lb	...	: .29				
Second hands	lb	.15	: .16	USP, powd., 300 lb bbls	lb	...	: .29				
Phthalic, see Phthalic Anhydride				Imp., USP, 240 lb bbls	lb	.27 1/2	: .28				
Picramic, 300 lb bbls	lb	...	: .50	Powd., 240 lb bbls	lb	.28	: .28 1/2				
				Tobias, 250 lb bbls	lb	...	: .85				
				Tungstic, 100 lb kegs	lb	...	: 1.00				

METHANOL

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DENATURED ALCOHOL

ACETATES — AMYL, BUTYL, ETHYL

SOLUBLE COTTON PYROXYLIN SOLUTIONS

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110 WILLIAM STREET

New York



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Chemicals

ALCOHOL (Cont'd)

In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special use. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.

Diacetone, 50 gal dra. fght. allowed	gal	2.15	: 2.30
Isobutyl, crude 50 gal dra. ..	gal	...	...
Refined, 100 bbls cans	bbls	...	...
Isopropyl, refined, 90-91%, 50 gal dra.	gal	1.00	: 1.25
Ref'd 98-99% dra.	gal	1.25	: 1.50
Phenylethyl 1 lb bot., dom. ..	lb	8.00	: 10.00
Propyl, nml., 50 gal dra.	gal	...	: 1.00
Aldehyde Ammonia 100 gal drums	drums	.90	: .93
Alolin, USP, 100 bbls cases	bbls	.85	: .88
Alpha-Naphthol crude 300 bbls	bbls	...	: .65
Refined	bbls	.85	: .90
Alpha-Naphthylamine, 350 bbls	bbls	.35	: .37
Ton lots bbls wks	bbls	...	: .35
ALUM., Ammonia, lump 400 lb bbls wks, ic-l	bbls	3.15	: 3.50
Imp., 500 lb casks, 100 lb	casks	3.25	: 3.65
Ground, 400 lb bbls wks 100 lb	bbls	3.55	: 3.90
Powd., 380 lb bbls wks 100 lb	bbls	3.55	: 3.90
Chrome, 500 lb cks., wks 100 lb	cks.	5.25	: 5.50
Potash, lump 400 lb bbls wks	bbls	3.50	: 3.75
Bbls, c-l wks	bbls	3.35	: 3.40
Imported lump	bbls	2.75	: 2.85
Ground, 400 lb bbls wks 100 lb	bbls	3.50	: 3.85

ALUMS, Potash (Cont.)

Imp., 350 casks	casks	2.50	: 2.75
Powd., 380 lb bbls wks 100 lb	bbls	4.00	: 4.50
Chrome, 500 lb casks wks 100 lb	cks.	5.25	: 5.50
Soda grd., 400 lb bbls. wks 100 lb	bbls	...	: 3.75
Bbls c-l wks	bbls	...	: 3.50
Aluminum metal, c-l NY	lb	28.00	: 29.00
Chloride, anhyd., 275 lb dra. ..	dra	.35	: .40
Crystals, 375 lb bbls	bbls	...	: .06 1/2
30% sol. 120 lb chys	chys	.03 1/2	: .04
Hydrate 96% light 90 lb bbls ..	bbls	.17	: .18
Heavy 62-64% 220 lb bbls	bbls	.06	: .06 1/2
400 lb bbls wks	bbls	.06 1/2	: .07
Stearate, 100 lb bbls	bbls	.22	: .23
SULFATE, Iron-free bags c-l wks	bags	2.00	: 2.10
Bbls c-l wks	bbls	2.15	: 2.25
Imported, spot	spot	1.70	: 1.75
Comm'l 1/2 iron bgs c-l wks	bgs	...	: 1.40
Cont. bgs c-l wks. E 100 lb	bgs	1.35	: 1.40
Bags, c-l wks W	bags	...	: 1.40
Bbls, c-l wks E	bbls	...	: 1.55
Bulk c-l cont. wks E 100 lb	bulk	...	: 1.50
Amidol (See Diaminophenol)			
Amidopyrine, Imp., 10 lb bxs ..	bxs	4.60	: 5.00
Domestic 10 lb boxes	bxs	4.60	: 4.75
Aminoazobenzene, 110 lb kgs ..	kgs	...	: 1.15
AMMONIA, anhyd 100 lb cyl	cyl	.13	: .15
Water 26° 800 lb dra del	dra	.03 3/4	: .04
Drs. c-l delivered	dra	.03	: .03 1/2
CP, chys	chys	...	: .10

Ammonium Acetate, 100 lb kegs ..	kegs	...	: .43
Benzoate, USP, 1 lb bot.	bot	...	: 1.27
Bifluoride, 300 lb bbls	bbls	.21	: .22
100 lb kegs	kegs	.22	: .23
Bromide, 450 lb bbls 50 lb bxs ..	bbls	...	: .55
Imported, 112 lb boxes	boxes	.50 1/2	: .52
Carb., tech., 500 lb cases	cases	.08 3/4	: .09
Powd., tech., 550 lb cks	cks	.07 1/2	: .07 3/4
USP, lump, 100 lb kegs	kegs	.11	: .11 1/2
Powd., 100 lb kegs	kegs	.13	: .13 1/2
Second hands .....	...	.11	: .11 1/2
Chloride, Domestic			
White, 250 lb bbls c-l	bbls	...	: .06
250 lb bbls ic-l wks	bbls	.06 1/2	: .06 3/4
Imported white 600 lb cks	cks	.05 1/2	: .05 3/4
CP, USP, gran bbls	bbls	...	: .14
Gray, 250 lb bbls, wks	bbls	.07 1/2	: .08
Bbla., c-l wks	bbls	...	: .07
Imported gray 250 lb casks	casks	.06 1/2	: .06 3/4
Lump, 500 lb casks spot	casks	.11 1/2	: .12
Ichthyolate, as to brand .....	...	4.85	: 5.00
Iodide, USP, 25 lb jars	jars	...	: 5.20
Lactate, 500 lb bbls	bbls	.15	: .16
Refined Crystals bbls	bbls	...	: .20
CP gran., 100 lb kegs	kegs	.35	: .37
Oxalate, pure 100 lb kegs	kegs	.35	: .37
Persulfate, 112 lb kegs	kegs	.21	: .21 1/2
Phosphate, dibasic 200 lb bbls ..	bbls	...	: .38
Mono, 325 lb bbls	bbls	.12	: .12 1/2
Tri basic 325 lb bbls	bbls	...	: .04
Salicylate USP, 100 lb kegs	kegs	.75	: .80
Sulfate bulk c-l	bulk	...	: 2.95
Southern points	points	...	: 3.00
200 lb dbl.bags f.a.s. 100 lb	bags	2.85	: nom.
Sulfate-Nitrate, bulk fob NY ton ..	ton	...	: 81.00
Sulfoeyanide, tech., 100 lb kgs ..	kgs	.40	: .45
CP, 25 lb jars	jars	.50	: .55
Amyl Acetate, tech., 50 gal dra gal	gal	2.35	: 2.45
Refined, 50 gal drums	drums	2.85	: 3.50
Alcohol see Fuel Oil			

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Chemicals

Amyl Butyrate absolute cans . . . lb	1.20	1.30	Barium Binoxide, see Barium dioxide			Benzidine Base, dry 250 lb bbls lb	.72	.74
ANILINE OIL, 960 lb drums . . . lb	1.20	1.30	Bromide . . . lb	.44		Benzidine Sulfate, paste 350 lb bbls	.68	.70
Hydro Bromide . . . lb	.75		Bromate . . . lb	.70		Benzol, see Benzene		
Aniline Salt, 200 lb bbls . . . lb	.23	.24	Carbonate, precip., 300 lb bbls			Benzonaphthol, 5 lb boxes . . . lb	3.50	3.60
Annatto, fine . . . lb	.41	.43	wks . . . ton	52.00	54.00	Benzoyl Chloride, 500 lb drs . . . lb	. . .	1.00
Anthracene 80-85% 600 lb casks			Precip., 200 lb bgs., wks ton	50.00	52.00	Benzyl Acetate 100 lb clys . . . lb	1.30	1.40
wks . . . ton	.60	.65	Importis bags NY . . . ton	43.00	45.00	Benzzoate, 5 lb bot . . . lb	1.60	1.75
Anthraquinone, sub 125 lb bbl. lb	.95	1.00	Chlorate, 112 lb kegs NY . . . lb	.12	.12 1/2	Medicinal FFC . . . lb	1.75	2.00
Antimony metal, slabs, tons lots lb	.24 1/2	.25	Chloride, 800 lb bbls wks ton	61.00	63.00	Chloride 95% tech., 925 lb drs lb	. . .	.25
Needle powd., 100 lb cases lb	.21 1/2	.22	200 lb bgs., wks . . . ton	60.00	62.00	100 lb clys . . . lb	.25	.30
Bromate . . . lb	. . .	1.50	Imports, large crystals, bbls.			Redistil. 160 lb clys . . . lb	.30	.35
ANTIMONY CHLORIDE, anhyd 1000 lb			Spot . . . ton	60.00	62.00	Formate, 1 lb bot . . . lb	3.25	3.50
drs . . . lb	.16	.17	Dioxide, 88% 690 lb drs . . . lb	.13	.13 1/2	Berberine Hydrchloride, 1 lb bot . . . lb	. . .	22.50
50 lb casks . . . lb	.45	.48	Import, 86-88% 400 lb drs lb	.13	.13 1/2	Sulfate, acid or neut. 1 lb bot lb	. . .	22.00
Sol'n. 130 lb carboys 33° . . . lb	. . .	.08	Hydrate, 500 lb bbls . . . lb	.04 1/2	.05	BETA-NAPHTHOL, 350 lb bbls wks lb	. . .	.24
oxide, 500 lb bbls . . . lb	.19	.20	Iodide, 5 lb box . . . lb	. . .	5.15	Carlota wks . . . lb	. . .	.24
Sulfuret golden 250 lb bbls lb	.15	.16	Nitrate, 700 lb casks . . . lb	. . .	.10	Sublimed . . . lb	.55	.60
Crimson 250 lb bbls . . . lb	.25	.27	Imports casks . . . lb	.07 1/2	.08	Beta-Naphthylamine, tech., 200 lb bbls	. . .	.67
Vermilion, 250 lb bbls . . . lb	.48	.50	Sulfocyanide 600 lb bbls . . . lb	.30	.31	Sublimed, 200 lb bbls . . . lb	. . .	1.35
Tartrolacate, 500 lb bbls . . . lb	. . .	.45	Barytes, floated 350 lb bbls wks ton	23.00	24.00	Bichloride Mercury, see Mercury Bichloride		
Tribromide . . . lb	. . .	1.05	Imported . . . ton	29.00	33.00	BISMUTH metal, 100 lb cases . . . lb	. . .	3.50
antipyrine, USP, 100 lb cases . . . lb	1.75	1.90	Crude, c.l.f. . . . ton	. . .	9.09	Second hands . . . lb	3.15	3.25
Second hands . . . lb	1.70	1.75	Bay Rum, Porto Rico, genuine			Ammon. Citrate, USP, 5 lb cans lb	. . .	6.25
Apomorphine Hydrchloride, 1/2 oz vis oz	. . .	22.10	Medicated salicyl. acid or tartar			Betanaphthol, 5 lb bbs . . . lb	3.85	3.90
archil, double 600 lb bbls . . . lb	.13	.14	45 gal bbls . . . gal	.90	.95	Citrate, USP, 5 lb cans . . . lb	. . .	3.50
Triple, 600 lb bbls . . . lb	.16	.17	Medicated quinine sulf., 45 gal bbls	. . .	.95	Chloride, USP, 5 lb cans . . . lb	4.05	4.10
Cone, 600 lb bbls . . . lb	.18	.20	Domestic synthetic, 50 gal bbls	.70	.75	Hydroxide . . . lb	. . .	4.00
Arcolline Hydrobromide, 1 oz vials	8.75	10.25	St. Thomas			Nitrate, 25 lb jars . . . lb	. . .	2.35
Argols, red powd., 350 lb bbls lb	.06 1/2	.07	Medicated salicyl. acid or tartar			Oxide anhyd . . . lb	. . .	4.20
arsenic metal 220 lb kegs . . . lb	.45	.50	emetie 50 gal bbls gal	.85	.90	Oxychloride, 25 lb bbs . . . lb	. . .	2.55
Red, 224 lb kegs cases lb	.12	.12 1/2	Benzaldehyde, tech., 945 lb drs.			Phenolsulfonate, 5 lb cans . . . lb	. . .	2.45
White 220 lb cases to 550 lb			wks . . . lb	.65	.70	Salicylate, 25 lb bbs . . . lb	. . .	4.05
Bbls NY . . . lb	.03	.03 1/2	USP, 40 lb clys . . . lb	1.15	1.30	Subcarbonate USP, 25 lb bbs . . . lb	. . .	4.40
Asbestine, c-1 . . . ton	16.60	18.00	FFC, 40 lb clys . . . lb	1.40	1.50	X-Ray disc 1 lb bot . . . lb	. . .	3.15
le-1 . . . ton	20.00	22.00	BENZENE, 90% 8000 gal tanks			Subchloride, 5 lb lots . . . lb	. . .	5.15
Aspirin, see Acid acetylsalicylic			wks . . . gal	. . .	.24	Subnitrate, USP, 25 lb jars . . . lb	. . .	3.35
Atropine Alk., USP, 1 oz vial . . . oz	6.50	7.50	110 gal drs wks . . . gal	. . .	.29	Second Hands . . . lb	3.00	3.25
Sulfate, 5 oz cans . . . oz	. . .	3.50	Pure tanks, wks . . . gal	.23	.24	Cones, 1 lb bot . . . lb	. . .	4.35
Single ounce . . . oz	. . .	3.65	110 gal drs wks . . . lb	.28	.29	Subsalicylate, USP, 25 lb bbs lb	. . .	3.55
						Tannate . . . lb	. . .	3.10

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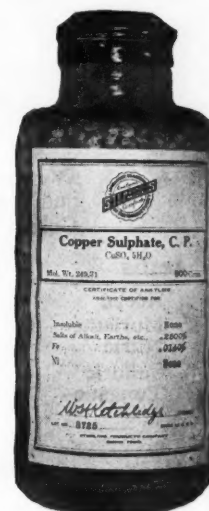
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Chemicals

BISMUTH (Continued)			Butter of Antimony, see Antimony Chloride		
above on basis 25 lb lots			Butyl Acetate, tank cars, wks .gal	1.80	
Smaller lots at an advance			Drums c-l wks .gal	1.84	
Tri-Bromophenollb	4.00		Aldehyde, 50 gal drums wks .lb	.70	
Blanc Fixe, dry 400 lb bbls wks ton	80.00	90.00	Propionate drumslb	.37	.40
Imported, bblston	70.00	72.00	Tartrate, drumslb	.57	.60
Paste, 650 lb bbls c-lton	65.00	65.00	CAESIUM, metal 100 lb bbs .lb	.70	.75
BLEACHING POWDER, 700 lb drums			Bromide, 50 lb cases jars wks lb	1.15	1.20
c-l wks contract100 lb	2.00		Iodide, 10 lb botlb	4.45	
le-l wks contract100 lb	2.15		Sulfide cslb	1.20	1.25
c-l spot wks100 lb	2.10		CAFFEINE ALK., USP, 5 lb cans lb	3.75	3.85
le-l spot wks100 lb	2.25		Second Handslb	3.50	3.60
le-l spot ex-warehouse, 100 lb	2.35		Citrated, 25 lb canslb	2.70	2.85
300 lb drms c-l, wks contract 100 lb	2.25		Hydrobromide, 1 lb botlb	4.65	4.90
c-l spot wks100 lb	2.35		Hydrochloride, 1 lb botlb	6.05	6.55
le-l wks contract100 lb	2.40		Sulfate, 1 lb botlb	5.40	5.90
le-l spot wks100 lb	2.50		CALCIUM, Acetate, 150 lb bgs c-l		
Blood dried f.o.b. NYunit	4.00	& .10	100 lb	3.25	
Chicagounit	4.20	& .10	Arsenate, 100 lb bbls c-l wks lb	.06	.06 1/2
8 Am. Shipmentunit	4.15	& .10	Bromatelb	1.50	
Blues, bronze Chinese, Milori			Bromide, 100 lb cslb	.60	
Prussian Solublelb	.31	.32	Carbide 220 lb dr. c-l wks lb	.05 1/2	.06 1/4
Blue Vitriol, see Copper Sulfate			Carbonate tech., 100 lb bags		
Bone 3 & 50 gr. steam Chgo. ton	30.00		c-l100 lb	1.00	1.10
Imp.ton	35.00		USP, precip., 175 lb bbls .lb	.06 1/2	
Raw, NYton	34.00		Chloride, solid, 650 lb drs c-l		
Bone Ash, 100 lb kegslb	.06	.07	f.o.b. wkston	21.00	23.00
Black, 200 lb bblslb	.08 1/4		Imp.ton	19.00	20.00
Borax, crys., 400 lb bblslb	.05 1/4	.05 1/2	Flake, 375 lb drs, c-l drs. f.o.b.		
Powdered, 300 lb bblslb	.05	.05 1/2	wkston	27.00	
Kegs, 100-150 lblb	.05 1/2	.06	Anhyd., 350 lb drs f.o.b. NY lb	.18	.20
Bordeaux Mixture, 16% pd. bbls lb	.11 1/4	.18	Glycerophosphate, 250 lb bbls lb	1.40	
Paste, bblslb	.08	.10	Hydrate see Lime		
Borcel. See Aromatic Chemicals			Hypophosphite, USP, 25 lb cans lb	.60	.85
British Gum com c-l100 lb	4.17		Iodide, 5 lb botlb	4.35	
le-l100 lb	4.27		Lactate, tech., 500 lb bbls .lb	.35	
Bromide, see potass. bromide etc.			USP,lb	.50	.60
Bromine, bot. in 50 lb cs. wks lb	.45	.47	Nitrate, 220 lb bbls c-l NY ton	50.00	
Bromobenzene, 600 lb drums .lb	.50		Phosphate, tech., 450 lb bbls lb	.09	.10
Bromoforn, USP, 5 lb bot cs .lb	1.85	1.85	Phosphate, mono, 325 lb bbls lb	.07	.08
Bruin Alkaloid, 100 ozslb	.10		Sulfocarbonate, 100 lb kegs .lb	.35	.57
Sulfate, 100 ozsoz	.10		CAMPOR, Amer., ref., 250 lb		
Second handsoz	.08 1/2		bblslb	.84	
			2 1/2 lb slabs, 100 lb cs .lb	.85 1/2	

CAMPOR (Cont'd)

1 lb cakes, 100 lb cslb	.85 1/2	
1 oz. tab., 1 lb ctas.lb	.90	
Jap., ref., 2 1/2 lb slabs, 100 lb	.71 1/4	
cslb		
1 oz. tab., 100 cslb	.84	
1/2 oz. tab., 100 lb cs, 1 lb	.85	
tinslb	.54	.56
Crude, 100 lb cslb		
Camphor, liniment, bblsgal	2.25	2.30
Camphor Monobrom., 100 lb cs lb	1.85	1.90
Caramel, 50 gal bblsgal	.70	.80
Carbazol, 250 lb bblslb	.50	
Carbon Bisulfide, 500 lb drs c-l NY	.06	.06 1/2
c-l drums, NYlb	.05 1/2	
Carbon Black, c-l wks bgslb	.08	
100-300 lb cases le-l NYlb	.12	
Decolorizing 40 lb bgs c-llb	.08	.15
90 lb drms c-llb	.08 1/4	.15 1/4
Carbon Dioxide, Liquid, 20-25 cyb	.06	
Tetrachloride, 140 lb drs del lb	.06 1/2	.07
Drums c-l deliveredlb	.06 1/2	
Carmin, No. 40, 5 lb boxeslb	5.00	5.25
Casein, edib., 100 lb keglb	.45	.65
Tech., 200 lb bblslb	.13	.13 1/2
100 meshlb	.14 1/2	.17
Castor Oil, USP, 50 gal bbls lb	.17	.17 1/2
Cases, 80 lb 2 tinslb	.18	.18 1/4
Tech., see Fixed Oils		
Caustic Potash, see potash, caustic		
Soda, see soda, caustic		
Cellulose Acetate 100 lb caseslb	1.55	1.65
ton lotslb		1.50
Cerium Oxalate, USP, 100 lb kegs lb	.33	.35
Chalk, drop 175 lb bblslb	.03	.03 1/2
Precip., light 250 lb bbls csks lb	.04 1/4	
Precip. heavy 560 lb cskslb	.02 1/4	.03 1/4
Bulkton	5.00	
Precip. English, 7 lb bagslb	.08 1/2	.08 3/4
Precip. heavy 560 lb cskslb	.03 1/2	.03 3/4

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.15
.13%
.06
1/2% .07
.06%
5.25
.65
1/2% .13%
.17
1/2% .17%
.18%
1.65
1.50
.35
.03%
.04%
.03%
1/2% .08%
1/2% .03%

CHARCOAL			
Hardwood, lump, bulk wks .bu	.18	.19	
Spot, NY .bu	.24	.28	
Wood, powd., 100 lb bbls .lb	.04	.05	
Willow, powd., 100 lb wks bbls .lb	.06	.06 1/2	
Chestnut, clarified, 25% tks, wks .lb	.01 1/2	.01 1/4	
Bbls, wks .lb	.02	.02 1/4	
Powd., 60% 100 lb bags wks .lb	.05 1/4	.05%	
Decolorized bags wks .lb	.06 1/2	.07	
China clay, Dom bulk wks .ton	6.00	9.00	
Washed & Ground wks .ton	11.00	15.00	
Imp., Filler Clay .ton	15.00	23.00	
Coating .ton	20.00	25.00	
Chinoidin, 140 lb drs .lb		.40	
Chloral Hydrate, USP, 100 lb drs .lb	.60	.65	
25 lb jars .lb	.68	.70	
Chloramine-T, 200 lb bbls .lb	1.35	1.50	
Chlorosane, 5 lb bot .lb	.55	.65	
Chlorhydrin, Ethylene anhyd., 600 lb drums .lb	.75	.85	
40% sol'n., 100 lb chys .lb	.25	.30	
CHLORINE , Liquid, tank or multi-unit car wks contract .lb			
Tank car spot wks .lb		.04 1/4	
Carlots cyl. wks., contract .lb		.05 1/2	
Spot, wks .lb		.05%	
1c-1 cyl. wks, contract .lb	.08	.09	
Spot wks .lb	.08 1/4	.09 1/4	
Chlorobenzene, mono 100 lb drs. wks 1c-1 .lb		.07	
CHLOROFORM USP., 50 lb drs .lb	.28	.30	
Second Hands, 650 lb drs .lb	.25	.27	
Technical, 650 lb drums .lb	.22	.25	
Chlorophyll Oil Sol. .lb	2.50	2.75	
Water Sol. .lb	3.75	4.00	
Chromium Acetate 20° sol'n. 400 lb bbls .lb		.05 1/2	
Fluoride, Powd., 400 lb bbls .lb	.24	.26	
Oxide, Green bbls .lb	.34 1/2	.35 1/2	
Chrome Green, C.P. .lb	.26 1/2	.38	
Comm. .lb	.06 1/2	.11	
Chrome Yellow .lb	.18	.20	

Chrysarobin Powd., 400 lb bbls .lb	3.50	
Cinchonine alk., powd., 1000 oz tins oz	.38	
Crystal .oz	.65	.68
Cinchonidin Sulfate, 1000 oz tins oz	.35	
Resale, 1000 oz lots .oz	.32	.33
Cinchonine alk. powd., 1000 oz tins oz	.38	
Crystal .oz	.43	
Sulfate 100 oz tins .oz	.25	
Citric Acid, see Acid Citric		
Citrine Ointment, See Mercury		
Coal Tar, See Tars		
Cobalt metal, 100 lb kegs .lb	2.50	3.00
Cobalt Oxide, 500 lb bbls .lb	2.00	2.10
10 lb tins, 200 lb cases .lb		2.20
COCAINE , alk., USP., 1 oz vial oz		
Hydrochloride, USP.—1 oz vials		8.07
25 ozs .oz		8.50
In 1/2 oz. vials .oz		
In crystals, granular, powder, or flaky crystals as desired		
Cocoa Butter, bulk, 200 lb bales		
c-1 .lb	.29	.31
Fingers, cakes, etc., 12 lb bxs .lb		.37
CODEINE , alk. oz. vials 10 oz lots		
Hydrobromide, 1 oz vials, 10 oz lots		9.87
Hydrochloride, 1 oz. vials, 10 oz lots		7.92
Nitrate, 1 oz. vls. 10 oz. lots oz		7.42
Phosphate, 1 oz. vials, 10 oz lots		8.87
Salicylate 1 oz vials, 10 oz lots		7.42
Sulfate, 1 oz vis 10 oz lots oz		7.92
Small sizes, 1/4 oz vials, 50c ex. 1/4 oz 30c extra, single 7c ex. per oz.—25 oz lots, 10c oz cheaper than above. Less than above.		
CODLIVER OIL , Norwegian, 30 gal bbls		
	37.50	40.00

Colchicine alk., USP., 1 oz vial oz	20.00	
Salicylate 1 oz vial .oz	35.50	35.50
Collodion, USP., 30 lb drums .lb		.23
600 lb drums .lb		.22
Flexible, drums .lb	.24	.25
COPPER metal electrolytic c-1 NY		
100 lb	14.12 1/2	14.25
Lake c-1 NY .100 lb	14.12 1/2	14.25
Casting c-1 NY .100 lb		13.62 1/2
Carbonate 400 lb bbls .lb	.16%	.17 1/4
Chloride, 250 lb bbls .lb		.28
Cyanide, 100 lb drs .lb	.48	.50
Iodide 5 lb bot .lb		5.65
Oxide, red 1000 lb bbls ton lots lb	.16 1/2	.17
Sub-Acetate, verd. 440 lb bbls .lb	.20	.21
SULFATE crys., 450 lb bbls 1c-1 spot		
100 lb	4.40	4.60
Carlots bbls spot .100 lb	4.30	4.40
Carlots bbls FOR NY 100 lb	4.30	4.40
Powdered, 350 lb 5 bbls 100 lb	5.60	5.65
Copperas bulk c-1 NY wks .ton		
200 lb bgs. c-1 wks .ton	12.00	13.00
400 lb bbls c-1 wks .ton	15.00	16.00
100 lb bbls c-1 wks .ton	16.00	17.00
Powdered bbls .100 lb	1.90	2.00
Sugar, 400 lb bbls .100 lb	1.25	1.35
Corn Syrup , 42 deg., 50 gal bbls		
100 lb		3.31
43 deg. 50 gal bbls .100 lb		3.36
44 deg. 50 gal bbls .100 lb		3.43
45 deg 50 gal bbls .100 lb		3.50
Corn Sugar , see Glucose		
Cotton Soluble, 100 lb bbls wet lb	.40	.42
Cottonseed, Meal 7% .ton	34.00	35.00
Coumarin, 25 lb tins 100 lb .lb	3.10	3.25
CREAM TARTAR , USP., 300 lb bbls		
Imp., powd., USP., 224 bbls .lb	.22	.22 1/4
	.21	.21 1/4
Cresole, USP., 42 lb chys .lb	.40	.42
Carbonate, 100 lbs., 50 lbs., lb	1.70	1.80
Cresote Oil, 50 gal drums .gal	.13	.15
Cresol, USP., 400 lb drums .lb	.20	nom.
Cudbear, English .lb	.19	.20



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Chemicals

Dutch Rangoon 100 lb bales .. lb	.. 22	Divi Divi Extract .. lb	.. .04	nom.	Ethylene Glycol .. lb	.. .40
Tablets, 120 lb boxes .. lb	.. 13	Pods, bags ship .. ton	53.00	55.00	Tri Chloride .. lb	.. .10
Borneo solid, 100 lb bales .. lb	.. .05 1/2	Dover's Powder USP, 5 lb tins .. lb	.. 2.50	2.50	Ethylideneaniline .. lb	.. .62
Cyanamide, bulk c-l wks Amm unit	1.90	Dubosine Sulfate, 1 oz vial .. oz	.. 30.07	30.07	Eucalyptol, 25 lb cans .. lb	.. .90
Imp .. Amm unit	2.00	EARTH, Diatomaceous, see Kieseguh	..	..	Feldspar, bulk .. ton	20.00
Cyclohexanol, see Hexalene	..	Egg Yolk, 200 lb cs .. lb	.. .55	.. .60	FERRIC CHLORIDE, tech, crys.	..
Cymene, See Para-Cymene	..	Emetine alk., 15 gr. vials .. ea	.. 1.30	1.30	475 lb bbls .. lb	.. .05
Dextrin, white corn 140 lb bgs	..	Hydralide, USP, 1 oz vial .. oz	17.00	17.57	Imported .. lb	.. .04 1/2
c-l .. 100 lb	.. 3.87	15 gr. vials .. ea	.. .82	.. .82	C.P. crys. 100 lb kegs .. lb	.. .10
bags c-l .. 100 lb	.. 3.97	EPSON SALT, tech., 300 lb bbls	..	..	Imported .. lb	.. .06
Canary .. 100 lb	.. 3.92	NY .. 100 lb	.. 2.15	2.15	Neut. Sol'n., 42° 140 lb chys .. lb	.. .08 1/2
bags l-c-l .. 100 lb	.. 4.02	Bbls c-l NY .. 100 lb	.. 2.00	2.00	46° 140 chys .. lb	.. .08 1/2
Potato, white, 220 lb bags l-c-l	.. .08 1/4	100 lb c-l NY .. 100 lb	1.50	1.75	USP., Sol'n., 125 lb chys .. lb	.. .06 1/2
Yellow 220 lb bags .. lb	.. .08 1/4	Imp., 220 lb bgs c-l	..	..	Bromide, solution .. lb	.. .55
Tapioca, 200 lb bags l-c-l .. lb	07 1/2	NY .. 100 lb	.. 1.25	1.25	Ferrous Bromide, sol'n., .. lb	.. .55
DIAMINOPHENOL, 100 lb kegs .. lb	.. 3.80	USP, 200 lb bbls 10 bbls 100 lb	.. 2.50	2.50	Chloride, crys., tech., 475 lb bbls .. lb	.. .05
Diamyl Phthalate drums wks .. gal	4.00	Carlots, bbls kegs 100 lb	2.00	2.25	Sulfide, 1000 lb bbls .. 100 lb	2.50
Dianisidine, 100 lb kegs .. lb	3.50	Imported, 400 lb bbls 100 lb	1.85	1.90	Fish Scrap, dried wks .. unit	4.25 & .10
Dibutyl Phthalate, wks .. lb	.. .40	Ergotin, Boujean, 1 lb jars .. lb	6.00	6.30	Acid Bulk 7 & 3 1/2, Deliv.	..
Dibutyl Tartrate, 50 gal drums .. lb	.. .55	Eserine alk., 1 oz vial .. oz	.. 30.07	30.07	Norfolk & Balt basis .. unit	nom.
Dichlorobenzene, 1000 lb drs .. lb	.. .08	Salicylate, USP, 1 oz vial .. oz	24.00	24.50	Fiske-White, see lead white	..
Dichloromethane, Drums wks .. lb	.. .23	Sulfate, USP, VIII, 1 oz vial .. oz	18.00	18.50	Flavine Lemon 55 lb cs .. lb	.. .90
Diethylamine, 400 lb drs .. lb	.. 2.25	ETHER, USP, 55 lb drums .. lb	.. .16	.. .16	Orange 70 lb cs .. lb	.. .85
Diethylaniline, 850 lb drs .. lb	.. .55	Anaesthesia, 55 lb drums .. lb	.. .19	.. .19	Fluorspar, 95% 220 lb bags ex-	..
Diethyl Carbonate, drums .. gal	1.85	USP, 1880 55 lb drums .. lb	.. .45	.. .45	dock .. ton	25.00
Diethyl Phthalate 25 lb cans .. lb	.. .40	Washed, 55 lb drums .. lb	.. .37	.. .37	96% bgs .. ton	33.50
1000 drs .. lb	.. .35	Motor 1 lb bottles .. lb	.. .30	.. .32	98% bgs .. ton	35.00
Diethyl Sulfate tech., 50 gal drs .. lb	.. .20	Ether, Nitrous, 1 lb bot .. lb	.. .90	.. .95	FORMALDEHYDE, USP, 400 lb bbls.	..
C.P. drums .. lb	.. .40	Ethyl Acetate, 99% 50 gal drs gal	.. 1.05	1.05	Carboys 100 lb c-l wks .. lb	.. .09 1/2
Digitalin, Pure, 1 oz vial .. oz	9.75	85% Ester, 10 gal drs gal	.. .82	.. .82	Bbls 400 lb l-c-l wks .. lb	.. .09 1/2
high test .. oz	15.00	Carlots, drums .. gal	1.72	1.85	Formaldehyde Aniline 100 lb drums .. lb	.. .39
Dimethylaniline 840 lb drs wks .. lb	.. .31	Refined drums .. gal	1.72	1.85	Fossil Flour .. lb	.. .02 1/4
Dimethylamine, 400 lb drs .. lb	.. 2.60	Aceto Acetate drums wks .. lb	.. 1.00	1.00	Formaniline .. lb	.. .38
Dimethylsulfate, 100 lb drs .. lb	.. .45	Benzyl Aniline, 300 lb drs .. lb	1.05	1.10	Imported 230 lb bags NY .. ton	35.00
Dinitrobenzene, 400 lb bbls .. lb	.. 14 1/2	Bromide, 115 lb drs .. lb	.. .50	.. .50	Furfural, 500 lb drums .. lb	.. .23
Dinitrochlorobenzene, 400 lb bbls .. lb	.. .15	Butyrate cans .. lb	1.10	1.20	Ton lots .. lb	.. .20
Dinitrochlorine, 300 lb bbls .. lb	.. .18	Chloride, 200 lb drs, 15 lb cyl .. lb	.. .26	.. .35	Fusel Oil, 10% Impurities drs gal	1.70
Dinitronaphthalene, 350 lb bbls .. lb	.. .32	Lactate drums wks .. gal	4.00	4.15	Refined .. lb	3.25
Dinitrophenol, 350 lb bbls .. lb	.. .31	Methyl Ketone, 50 gal drs .. lb	.. .30	.. .31	Fustic, solid 50 lb boxes .. lb	.. .20
Dinitrotoluene, 300 lb bbls .. lb	.. .15	Morphine, see Morphine, Ethyl	..	..	Crystals, 100 lb boxes .. lb	.. .20
Dionin, see Morphine, Ethyl	..	Oxalate drums wks .. lb	.. .45	.. .55	Liquid, 51°, 600 lb bbls .. lb	.. .09
Diorthotolylguanidine, 275 lb	..	Ethylene Bromide, 600 lb drs .. lb	.. .70	.. .75	Fustic, sticks .. ton	30.00
bbls, wks .. lb	1.10	Chlorhydrin, anhyd. 50 gal drs .. lb	.. .75	.. .85	Chips .. lb	.. .04
Diphenylamine .. lb	.. .48	40% Solution, 50 gal bbls .. lb	.. .25	.. .30	G SALT, paste 360 lb bbls basis	..
Diphenylguanidine, 5,000 lbs.	..	Dichloride, 50 gal drs .. lb	.. .15	.. .20	Gall extract .. lb	.. .21
100 lbs. .. lb	.. .95	Tank cars .. lb	.. .10	.. .10

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Gambier 25% liq., 450 lb bbls lb	.12	.14
Common 200 lb cases lb	.19 1/4	.20
Singapore cubes, 150 lb bags lb	.23	
Gelatin, USP, silver 1 lb 100 lb cs lb	.60	.65
Gold Label, 100 cases lb	1.00	
Technical, 100 lb cs lb	.45	.50
Pure Food, 50 lb bbls lb	.55	.60
Sheets lb	.53	.55
GLAUBER'S SALT, tech., 200 lb bags		
c-1 wks 100 lb	1.10	1.20
lc-1 wks 100 lb	1.35	1.45
350 lb bbls c-1 wks 100 lb	1.25	1.35
Bbls, lc-1 wks 100 lb	1.50	1.60
Imported, bags NY lb	.75	.80
USP, 300 lb bbls. Imp. sp. 100 lb	1.25	
USP, 300 lb bbls. dom. sp. 100 lb	1.75	
USP, 300 lb bbls, c-1 wks 100 lb	1.40	
Calced, see Sodium Sulfate		
Glucose, (Grape Sugar) dry, 100		
70° bags c-1 NY lb	3.14	3.24
80° bags c-1 NY lb	3.24	3.34
Tanners' Special 100 lb bags 100 lb	3.14	
GLUE, pure white bbls lb	.22	.26
Medium white, bbls lb	.20	.24
French bbls lb	.18	.25
High Grade, bbls lb	.35	.40
Bone, regular, bbls lb	.10	.12
Fish, bbls gal	1.50	1.75
Hide bbls lb	.14	.24
GLYCERIN, C.P. 550 lb drums lb	.25	.30
Cans, 50 lb	.27 1/2	.28
Dynamite 100 lb dr	.24	.25
Saponification tanks lb	.17	.17 1/2
Soap, Lye tanks lb	.15 1/4	.16
Gua Powder, see chrysarobin		
Graphite, crude, 220 lb bags ton	15.00	35.00
Flake 500 lb bbls lb	.05	.09
Ground Imp., bbls lb	.04	.05
Guaiacal liquid USP, 100 lb chys lb	2.00	2.25
Crystals lb	2.25	2.50
Benzonate, 1 lb bot	13.00	
Carbonate, 5 lb boxes lb	2.50	2.75
Second Hands lb	2.10	2.15

HAARLEM OIL, Dom., 6 gr. cs. gr	3.15	3.30
Imported 5 gr cases gross	3.85	
Halazone 5 lb bot lb	2.75	3.25
HEMATINE, Paste, 500 lb bbls lb	.09	.12
Crystals, 400 lb bbls lb	.12	.20
Hemlock, 25% 600 lb bbls wks lb	.03 1/2	.03 1/4
Hemlock, bark lb	16.00	
Hexachlorethane Drums wks lb	.45	
Hexalene, 50 gal drs. wks lb	.55	.57
Hexamethylenetetramine, USP,		
100 lb drums lb	.60	.62
Imported lb	.58	
Rubber Makers, Impalp. Pd.		
dr lb	.80	.82 1/2
Homatropine Hydrobrom USP, 1 oz		
vials lb	14.50	
Five ozs., 1 oz vials lb	13.50	
Hydrastine, Alk., USP, 1 oz vials oz	20.50	21.00
Hydralide, USP, 1 oz vial oz	20.50	21.00
Sulfate 1 oz vial oz	22.50	23.00
Hydrastine Hydralide, USP, 15 gr		
vials lb	40.00	
Hydrazobenzene 100 lb kegs lb		
HYDROGEN PEROXIDE, 25 vol. 400 lb		
bbls lb	.07	.07 1/2
100 vol. 140 lb chys lb	.32	.34
USP, Sol'n 375 lb bbls lb	.04	.05
100 vol 145 chys lb	.46	
USP, bot 4 oz cases gross	7.75	8.00
Bot. 8 oz cases gross	11.10	12.00
Bot. 16 oz cases gross	18.25	19.00
Hydroquinone, 100 lb kegs lb	1.25	1.50
Hyoselne Hydrobrom. USP, 1 oz		
vial lb	13.57	
Five oz., 1 cs vial lb	13.07	13.57
Hyoscyamine Alk. Cryst., 1 oz vial oz	25.07	
Alkaloid, Amorphous, 1 oz vial oz	75.07	
Hydrobromide, USP, 1 oz vial oz	35.07	
Sulfate, 1 oz vial lb	25.07	
Hypernie, 51°, 600 lb bbls lb	.12	.15
Chips lb	.06 1/4	.07
Indigo Madras bbls lb	1.28	1.30
20% paste drums lb	.14	.15
IODINE, crude 200 lb kegs lb	4.20	4.25
Resublimed, 10 lb jars lb	4.65	4.70

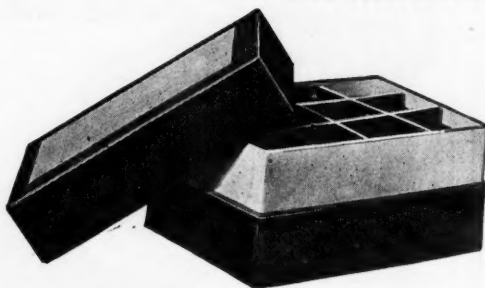
Iodine Tinct., USP., 50 gal bbl gal	4.85	
Carboys gal	4.90	
Second Hands gal	4.70	
Crystals, 10 lb bot lb	6.05	
Iodides, see Potass. Iodide, etc.		
Iodoform, powd., 10 lb bot lb	6.00	
Iridium, metal 10 oz. lots lb	260.00	
Iron, metal by hydrogen 1 lb bot lb	.68	.70
IRON & AMM. CITRATE, USP, 50 lb.		
cans lb	.69	
Green scales, 500 lbs. lb	.69	
Bromide lb	1.10	1.22
Cacodylate, 100 lb bot lb	8.00	8.10
Citrate, USP, VIII 25 lb cans lb	.94	1.01
Chloride, see Ferric or Ferrous		
Hypophosphite, 5 lb cans lb	1.55	1.60
Syrup, USP, 5 lb bot lb	.35	.36
Iodide, 1 lb bot lb	4.28	
Syrup, USP, 5 lb bot lb	.35	.36
Nitrate, kegs lb	.09	.10
Com'l. bbls 100 lb	2.50	3.25
Oxalate scales, 25 lb cans lb	.88	.97
Oxide, red Spanish lb	.02 1/2	.03 1/4
English lb	.10	.12
Perchloride see Ferric Chloride		
& Ammon. Oxalate, 25 lb bxs lb	.37	.40
& Potassium Oxalate, 250 lb		
bbls lb	.40	.43
& Sodium Oxalate, 24 lb bxs lb	.32	.35
Phosphate, USP, 50 lb lb	.69	
Pyrophosphate, USP, 50 lb lb	.74	
JALAP RESIN, lump, 5 lb tins. lb	4.00	
Powd., tins lb	4.65	
Powd., tins lb	4.65	
KIESELGUHR, 95 lb bags NY ton	60.00	70.00
LANOLIN See Adeps Lanæ		
Larch, 25% 600 lb bbls wks lb	.03 1/4	.04
Powd., 100 lb bags wks lb	.08	.09
LEAD, metal c-1 NY lb	.09 1/4	
Acetate, white crystals, 500 lb		
bbls, wks lb	.14 1/4	.15
100 to 250 lb kegs, wks lb	15.00	15.14
White, broken bbls, wks. 100 lb	15.00	
White, gran bbls, wks. 100 lb	15.00	15.50
White, powd., bbls, wks 100 lb	15.00	15.25
Brown, broken bbls wks lb	.13 1/4	.14

Small Fine
Set-Up Paper Boxes



For Drugs,
Pharmaceuticals,
Toilet Preparations, Etc.

"Pill and Powder Boxes"



A complete stock of standard sizes are carried for the
Manufacturing and Jobbing Trade.

MONARCH NUSBAUM PAPER BOX CO., INC.

Fine Paper Boxes

BUFFALO, N.Y.

Chemicals

LEAD ACETATE (Cont'd)

USP., 100 lb kegs .....	.10	: .19%
Arsenate, 100 lb kegs .....	..	: .15
Bbls., c-1 wks .....	..	: .14
Bbls., lc-1 wks .....	..	: .14½
Paste, 100 & 600 lb bbls ..	.08	: .09
Iodide, USP., VIII 5 lb bot ..	3.20	: 3.40
Nitrate, 500 lb bbls. wks .....	..	: .14
Oxide, Litharge, 500 lb bbls ..	..	: .11½
100 kegs wks .....	..	: .14½
Oxide, red, 500 lb bbls., wks ..	..	: .12½
100 lb kegs wks .....	..	: .12½
Oleate, bbls .....	..	: .17½
Peroxide, 100 lb drs .....	..	: .25
White, basic carb., 500 lb bbls	..	: .10%
wks .....	..	: .10%
100 lb kegs wks .....	..	: .14½
White sulfate 500 lb bbls. wks	..	: .10
Licorice Ext., Mass cases .....	.21	: .22
Compound powder, bbls .....	.11	: .13
Powdered .....	.35	: .36
Sticks, 1 oz 100 lb cases .....	.30	: .35
LIME, (Salts, see Calcium Salts)		
Ground Stone, bags .....	..	: 4.50
Live, bulk .....	..	: 8.50
325 lb bbls. ton lots .....	..	: 1.05
Single bbl., wks .....	..	: 1.08
Hydrated, 167 lb bbl. ton lots	..	: .85
wks .....	..	: .01
Single bbl. wks .....	..	: .03½
Oyster Shell, 150 lb bbl sing. lb	..	: .08½
Sulfur, dry 200 lb drs NY .....	..	: .08
Dm., c-1 NY .....	..	: .14
33° Sol'n, 50 lb bbls NY gal ..	6.25	: 6.75
Linalool, 5 lb bot .....	..	: 1.45
Litharge see lead oxide .....	..	: 1.80
Lithium Carb., USP., 100 lb kegs	..	: 1.75
Bromide, 100 lb cs .....	..	: 5.40
Citrate USP., 100 lb kegs .....	..	: .06½
Iodide 5 lb bot .....	..	: .05%
Lithopone, 400 lb bbls., lc-1 wks	..	: .05%
Bbls., c-1 wks .....	..	: .05%

LITHOPONE (Continued)

Bags c-1 wks .....	..	: .05%
Imported, 400 lb bbls .....	..	: .05%
Litmus Cubes .....	.90	: 1.00
Second hands .....	..	: .75
Logwood 51° 600 lb bbls .....	..	: .08½
Lower grades .....	..	: .07½
Solid, 50 lb boxes .....	..	: .12
LOGWOOD, sticks	28.00	: 27.00
Chips, 150 lb bags .....	..	: .03
Luminal, see Phenylethylmalonylurea	..	: .03½
Madder, Dutch .....	..	: .30
MAGNESITE calcined, 500 lb ton	14.25	: 17.50
Magnesium, mt. sticks 100 lb cs	..	: .85
f.o.b. wks .....	..	: 1.50
Bromate .....	..	: .06½
Carb. tech. 70 lb bags NY .....	..	: .08
75 lb bbls NY .....	..	: .09½
USP., 100 lb bbls .....	..	: .17
English, oz. blocks .....	..	: .34.00
Chloride, fused 575 lb drs. c-1	..	: 36.00
wks .....	..	: 30.50
Flake, 350 lb drs. wks. c-1 ton	..	: 31.00
Imp., Flake Shipt.	28.00	: 30.00
Imp., fused 900 lb bbls NY ton	..	: .12
Fluossilicate, crystals 400 lb bbls	..	: .07
wks .....	..	: .06
30° sol'n. 500 lb bbls wks .....	..	: 3.20
Sol'n. bbls., c-1 wks .....	..	: 1.05
Glycerophosphate, 5 lb tins .....	..	: .42
Hypophosphite, 5 lb cans .....	..	: .50
Oxide, USP., light, 100 lb bbls ..	..	: 2.40
USP., heavy, 250 lb bbls .....	..	: 2.62
Peroxide, 5 lb cans .....	..	: .75
Perborate, 1 lb tins .....	..	: .24
Salicylate, 100 lb kegs .....	..	: .25
Sulfate see Epsom Salts .....	..	: .06
Manganese Borate, 30° 200 lb	..	: .06½
bbls .....	..	: .24
100 lb kegs .....	..	: .25
Chloride, 600 lb csks .....	..	: .06
Dioxide, 80-84° 900 lb bbls	..	: .06½
NY	80.00	: 85.00

MANGANESE DIOXIDE (con't.)

85-90% 900 lb bbls NY ton	85.00	: 90.00
Hydrated, precip., 100 lb kegs	.15	: .23
Glycerophosphate, 5 lb tins ..	2.90	: 3.00
Hypophos USP VIII 5 lb cans ..	1.35	: 1.40
Iodide, 1 lb bot	6.40	: 6.65
Ore., bulk, c.i.f. NY .....	.43	: .44
Sulfate, 550 lb drums NY .....	.07	: .07½
Mangrove, 55% 400 lb bbls ..	.03½	: nom.
Mangrove, bark, African .....	..	: 44.00
Marble Flour, bulk	10.00	: 12.00
See also Calcium Carbonate	..	..
MENTHOL, USP, 60 lb cases ..	6.75	: 7.00
Less case, 5 lb tins .....	..	: 7.00
Synthetic .....	..	: 6.50
MERCURY, metal 75 lb flask flask	87.00	: 88.00
Less flasks 5 lb jugs .....	..	: 1.38
Bichloride, cryst., 25 lb bxs ..	..	: 1.31
Gran., powd., 200 lb kegs .....	..	: 1.16
Bisulfate, 25 lb boxes .....	..	: 1.14
Blue Mass., 25 lb boxes .....	..	: .74
Powdered, 25 lb boxes .....	..	: .76
Blue Ointment, USP., 25 lb cans	..	: .99
50% .....	..	: .74
USP, dilute 25 lb cans 30% ..	..	: .80
33¼% Mercury .....	..	: 1.45
Calomel, 50 lb bxs .....	..	: .80
33¼% Mercury .....	..	: 4.10
Iodide, green 25 lb jars .....	..	: 4.20
Red, USP., 25 lb jars .....	..	: 4.10
Yellow, USP., VIII 25 lb jars ..	..	: 2.00
Oxide, Yellow USP., 25 lb bxs ..	..	: 1.43
Tech. .....	..	: 1.56
Red Precip., USP., 25 lb bxs ..	..	: 1.66
Powder, USP., 25 lb bxs .....	..	: 1.67
White Precip., USP., 25 lb bxs ..	..	: 1.72
Powdered, USP., 25 lb bxs .....	..	: .74
With chalk, USP., 25 lb bxs .....	..	: .74
Meta-Nitroaniline .....	.72	: .74
Meta-Nitro-para-Toluidine, 200 lb	..	: 1.80
bbls .....	..	..

QUININE Sulphate and Minor Salts

Unexcelled in Uniformity of Quality
Brilliant Crystallization and Purity of Color

**Cinchonine, Cinchonidine
Quinidine
and their Salts**

**THEOBROMINE CAFFEINE
YOHIMBINE QUINIC ACID**

Manufactured by
N. V. Amsterdamsche Chininefabriek
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Exclusive Distributors

R. W. GREEFF & CO., Inc.

78 FRONT ST., Cor. Old Slip, NEW YORK CITY

Aero Brand Yellow Prussiate of Soda



A new method of production ensures the highest purity, in small crystals as well as large. Raw materials, all of our own manufacture, and large production capacity, guarantee a dependable source of supply, at favorable prices.

**Yellow
Prussiate
of Potash**



AMERICAN CYANAMID CO.
511 Fifth Avenue New York

Chemicals

Meta-Phenylenediamine, 300 lb bbls .....lb	.85	.90
Meta-Toluylenediamine, 300 lb bbls .....lb	.73	.77
METHANOL (Wood Alcohol)		
95% tanks .....gal	.55	
Drums, c-1 .....gal	.57	
Drums, 1c-1 .....gal	.62	
97% tanks .....gal	.57	
Drums, c-1 .....gal	.59	
Drums, 1c-1 .....gal	.64	
Para, Acetate free, tks .....gal	.65	
Drums c-1 .....gal	.68	
Drums, 1c-1 .....gal	.70	
Bbls, incl., 6c higher		
U. S. denat. grd., tanks .....gal	.65	
Drums, c-1 .....gal	.68	
Drums 1c-1 .....gal	.70	
Methyl Acetate drums .....gal	.95	
Methyl Acetone, 100 gal drums .....gal	.83	
Tanks, cars .....gal	.80	
Bromide .....lb	1.00	
Chloride, 90 lb cyl .....gal	.60	
Salicylate, USP, 50 lb cans .....lb	.43	
500 lb drums .....lb	.41	
Methylene Blue, tech., 100 lb kgs .....lb	1.30	1.50
USP., medicinal 5 lb cans .....lb	1.75	1.90
Mitcher's Ketone, 225 lb bbls .....lb	3.00	3.25
Milk, powd., 150 lb bbls .....lb	.14	.15
Milk Sugar, see sugar of milk		
Mineral Oil, see oil mineral		
Mineral Rubber .....ton	35.00	75.00
Mining Salts Drums wks .....lb		.33
Monochlorobenzene See Bromobenzene		
Monacetone, See acetone		
Monochlorobenzene, see chlorobenzene		
Monethylaniline, 900 lb drs .....lb		1.05
Monomethyl paraminophenol sulfate 100 lb drs .....lb	3.95	4.20
MORPHINE ALK. , USP, 5 oz tins, ozs .....oz	9.20	9.50
Acetate, 5 oz. tins oz lots .....oz		7.35
Hydrobromide, 5 oz tins 10 oz lots .....oz		7.35

MORPHINE (Con't)		
Hydchlide 5 oz tins 10 oz lots .....oz		7.35
Ethyl Hydchlide, 5 oz tins 10 oz lots .....oz		8.85
Sulfate, 5 oz tins 10 oz lots .....oz		7.35
Small Sizes: $\frac{1}{2}$ oz. vials, 50c extra; $\frac{1}{4}$ s 25c extra; single oz. vials, 7c extra, over price for 5 oz tins. 25 oz. lots in 5 oz tins, 10c oz. lower than above schedule. Less than 10 oz. lots 15c oz. higher than above schedule.		
Musk Ambrette, 1 lb cans .....lb	10.50	11.75
Myrobalans, 25%, liquid bbls .....lb	.04	.04 $\frac{1}{2}$
50% solid, 50 lb boxes .....lb	.08	.08 $\frac{1}{2}$
Myrobalans, bags J1 .....ton	43.00	45.00
R2 .....ton		
New crop .....ton		34.00
J2 .....ton		
New crop .....ton		35.00
NAPHTHA, See Solvent Naphtha		
NAPHTHALENE, Flake, 175 lb bbls		
wks .....lb	.06	.07
Bbls., second hands NY .....lb		.06
Balls, 250 lb bbls wks .....lb	.07	.08
Bbls., second hands NY .....lb		.07
Crushed, chipped bgs., wks .....lb		.05
Crude, imp., bags .....lb	.01 $\frac{1}{2}$	.02 $\frac{1}{2}$
NICKEL		
Ingot, 100 lb kegs .....lb	.21	.24
Chloride, bbls kegs .....lb	.38	.40
Oxide, 100 lb kegs NY .....lb	.08	.08 $\frac{1}{2}$
Salt single 400 lb bbls NY .....lb	.08 $\frac{1}{2}$	.09
Double 400 lb bbls NY .....lb		
Sulfate, See Nickel Salt, single		
Nickel Metal, electrolytic .....lb		34.00
Nicotine, Free 40% 8 lb tins cs .....lb	1.10	1.20
NITRATE SODA, spot, See Sodium Nitrate		
Nitre Cake, bulk wks .....ton	4.50	5.50
500 lb bbls .....ton	13.00	14.00

Nitrobenzene, crude, 1000 lb drs		
wks .....lb	.09 $\frac{1}{2}$	.10
Redistilled, 1000 lb drs wks .....lb	.10	.11
Nitrogenous Material bulk, .unit		3.60
Nitronaphthalene, 550 lb bbls .....lb		.25
Nitrotoluene, mixed 1000 lb drs wks .....lb	.14	.15
Nutgalls, see Crude Drugs		
Oak bark, whole .....ton	20.00	23.00
Ground .....ton	45.00	50.00
Oak, tanks, wks .....lb		.03 $\frac{1}{2}$
23-25% liq., 600 lb bbls wks .....lb	.04	.04 $\frac{1}{2}$
Solid, powd. ....lb	.07 $\frac{1}{2}$	.08
Ochre .....lb		.03 $\frac{1}{2}$
Oil Fusel, see Fusel Oil		
OIL MINERAL , wh, 50 gal bbls gal	.80	.90
Russian .....gal	.95	1.00
Oil Mirbane, see nitrobenzene		
Opium, see crude drugs		
Orange Mineral, 1100 lb casks NY .....lb		.14 $\frac{1}{2}$
700 lb bbls NY .....lb		.14 $\frac{1}{2}$
Ortho-Aminophenol, 50 lb kegs .....lb	2.15	2.25
Ortho-Anisidine, 100 lb drs .....lb	2.75	3.00
Ortho-Dichlorobenzene, see Dichlorobenzene		
Ortho-Nitrochlorobenzene, 1200 lb		
dr. wks .....lb	.32	.35
Ortho-Nitrophenol, 350 lb .....lb	.90	.95
Ortho-Nitrotoluene, 1000 lb drs. wks .....lb	.13	.15
Ortho-Toluidine 350 lb bbls .....lb	.25	.27
Osage Orange 51° Liquid .....lb	.07	.07 $\frac{1}{2}$
Powd., 100 lb bags .....lb	.14 $\frac{1}{2}$	.15
Crystals .....lb	.16	.17
Oxgall, USP, 5 lb bot .....lb	1.75	2.50
Purified, 5 lb bot .....lb	2.00	2.50
Crude, 5 lb bot .....lb	1.00	1.25
PALLADIUM, metal 10 oz lots .....oz		
Pancration, USP, 5 lb bot .....lb	2.25	2.50
Papain, 10 lb bot. USP, Powd., .....lb		3.50
Crude, 150 lb cases .....lb		...
Paraffin, ref'd. 200 lb cs slabs 118-120 Deg. M.P. ....lb	.08	.09
123-127 Deg. M.P. ....lb	.06 $\frac{1}{2}$	.06 $\frac{1}{2}$

VICTOR CHEMICAL WORKS


CHICAGO, ILL.

OXALIC ACID

HIGHEST PURITY

BRANCHES:

New York - Nashville
St. Louis



1816 CHEMICALS 1926

"Over a Century of Service and Progress"

Boracic Acid Caustic Potash Isco Silver Talc

INNIS, SPEIDEN & CO., Inc.

Manufacturers, Importers, Exporters of
Industrial Chemicals

46 CLIFF STREET, NEW YORK

BRANCHES:

Chicago
Philadelphia
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FACTORIES:

Niagara Falls, N. Y.
Jersey City, N. J.
Murphysboro, Ill.
Owego, N. Y.

Chemicals

PARAFFIN (Con't)			PARIS GREEN (Con't)			PILOCARINE HYDROCHLIDE, USP., 25oz		
128-132 Deg., M.P. lb	.07½	.07½	Packages, 5 and 2 lbs. lb	.23	.24	lots, 1 oz vials oz	4.00	4.50
133-137 Deg., M.P. lb	.08	.08½	Packages, 1 lb, ¼ lb, ¼ lb, lb	.25	.26	Nitrate, 25 oz. oz	4.00	
138-140 Deg. M.P. lb	.08½	.10	Paris White, see Whiting French			Single ozs. oz	4.50	
Para-Aminoacetanilid, 100 lb			Pepsin, USP., 5 lb bot. 1:3000 lb	2.50	2.75	Alkaloid, 15 gr. vis ea	.85	
kegs lb	1.00	1.05	1:6000 bottles lb	5.00	5.25	Pine Oil, stm., dist., bbls gal	.66	
Para-Aminophenol, 100 lb kegs lb	1.10	1.16	1:10,000 bottles lb	8.35	8.50	Destructive dist. lb	.63	.64
Hydrochloride, 100 lb kegs lb	1.25	1.30	Peptone, powd., 5 lb lb		1.25	Piperazine Hydrate, 1 lb bot lb	15.00	
Para-Dichlorobenzene, 150 lb bbls.			PETROLATUM, green 300 lb bbls lb	.02½	.03	Piperidine, 25 oz oz	1.10	1.25
wks lb	.17	.20	Dark Amber, 300 lb bbls lb		.04½	Pitch., Coal-Tar, wks ton	24.00	26.00
25-50 lb kegs lb	.18	.22	Light Amber, 300 lb bbls lb		.04½	Prime bbl	8.00	10.60
Formaldehyde, USP., 100 gal drs gal		.48	Cream White, USP., 300 lb bbls lb	.07	.07½	Plaster Paris, tech., 250 lb bbls bbl	3.30	
Tech., lb		.20	Lilly White, USP., 300 lb bbls lb		.07½	True Dental, 300 bbls bbl	4.50	
Para-Cymene, Feid., 110 gal drs gal	2.25	2.50	Snow White, USP., 300 lb bbls lb		.12½	Platinum, metal soft 10 oz lots oz	120.00	
Paraformaldehyde, USP., 100 lb es lb	.42½	.45	Phenol, see also acid carbolie			Podophyllin, 5 lb bot lb	4.50	4.75
Para-Nitroacetanilid, 300 lb			Makers 950 lb drums spot lb	.21	.22	Second Hands lb	4.20	4.30
bbls lb	.50	.55	Small drums 240-100 lb lb	.22	.24	POTASH SALTS, rough		
PARA-NITROANILINE, 300 lb bbls			Open market drums lb	.21		Pot. Muriate basis 80% bgs ton	34.90	
wks single bbl lb		.33	240 lb des. drs., wks lb	.27		Pot. Sulfate, basis, 90% bgs. ton	45.85	
Para-Nitrochlorobenzene, 1200 lb drs			Natural, 240 lb des. drs. wks lb			Pot. & Mag. Sulfate, basis 48%		
wks lb		.33	Phenolphthalein, USP., 100 lb drs lb	1.30	1.40	bgs ton	26.36	
Para-Nitro-ortho-Toluidine, 300 lb			5 lb cans, 100 lb lots lb	1.40	1.50	Manure Salts basis 30% bulk ton	18.00	
bbls lb	2.75	2.85	Phenyl-Alpha-Naphthylamine 100 lb			Manure Salts, basis 20% bulk ton	11.35	
Para-Nitrophenol, 185 lb bbls lb	.50	.55	kegs lb	1.23	1.29	Kainit, basis, 12.4% bulk ton	8.50	
Para-Nitrosodimethylaniline, 120 lb			Phenylethylmalonylurea, oz. pkg., oz		5.50	Bulk in bags, \$2.00 extra		
bbls lb	.92	.94	Phosgene, 100 lb cylinders lb			Prices c.i.f. Atlantic & Gulf Ports		
Para-Nitrotoluene, 350 lb bbls lb	.25	.27	Phosphate Acid, 16% Bulk wks unit	.62½	.65	Discounts 50 tons, 5%; 500 tons 10%		
Para-oxy Benzaldehyde, 100 lb			Phosphate Rock, f.o.b. mines			POTASH, CAUSTIC, solid 88-92%		
kegs lb		1.70	Florida Pebble 68% ton	2.75	3.00	700 lb drs wks lb	.07½	.07½
Para-Phenetidin, 500 lb drs lb	1.55	1.80	Florida Pebble 70% ton	3.00	3.25	Imp., 88-92% 700 lb drs. NY lb	.07½	.07½
Para-Phenylendiamine, 350 lb			Florida 72% ton	3.75	4.00	USF, by alcohol 5 lb cans lb	.46	.47
bbls lb	1.20	1.25	Florida Pebble, 75-74% ton	4.25	4.50	cases lb	.30	.31
Para-Toluene-Sulfonamide, 175 lb			Tennessee, 72% ton		5.50	POTASSIUM Acetate, USP., 100 lb		
bbls lb	.40	.41	Phosphorus Oxidechloride, 175 lb cyl. lb	.35	.40	kegs lb	.29	.30
Para-Toluene-Sulfonchloride, 410 lb			Phosphorus, red 110 lb es lb	.68	.70	Second Hands, kegs lb	.26	.28
bbls. wks lb	.18	.30	Yellow, 110 lb es wks lb		.32	Bicarbonate, crys., 320 lb bbls lb	.09	.10
Para-Toluidine 350 lb bbls wks lb	.50	.60	Imported, 110 lb es wks lb	.35	.37½	Bichromate crys., 725 lb esks lb	.08	.08½
PARIS GREEN			Phosphorus Trichloride, 175 lb cyl			Powd. 725 esks, wks lb	.11	.12
Arsenic Basis, 500 lb kegs lb	.19	.20	wks lb		.45	Binoxalate, 300 lb bbls lb	.16	.17
Kegs, 100 lbs. lb	.21	.22	Phthalic Anhydride, 100 lb bbls			Import, 112 lb bbls lb	.18	.19
Kits, 56, 28, 14 lbs. lb	.22	.23	wks lb	.18	.20			



Since 1836



Eighty-nine years ago, when Andrew Jackson was President, this house was established. It means something very tangible to have been in business more than three quarters of a century; but what means more to us and our customers is that during that whole time, we have not only kept step with progress in the manufacture of collapsible tubes; but have initiated many of the improvements in this type of container.

A.H. WURZ, INC., CHESTER, PA.
Collapsible Tubes-Metal Sprinkler Tops
 30 East 42ND Street *ESTABLISHED 1836* Jackson & Michigan
 New York City *INCORPORATED 1914* Chicago

Chemicals

POTASSIUM (Cont.)

Bisulfate, C.P., 50 lbs. cans....	D	..	..	.30
100 lb. bags	D	..	..	.33
Bromate, 100 lb. cs	D	..	..	.85
BROMIDE, USP, cryst., 450 lb.				
bbis.	D	.48	..	.49
Granular, 300 lb. bbls....	D	.48	..	.49
Cases, 100 lb.	D	..	..	.50
Imported, USP, 250 lb. cs D		.37	..	.39
Shipment	D	..	..	.43%
CARBONATE, 80-85% calc.				
800 lb. cks	D	.05%	..	.05%
80-85%, hydrated, 800 lb.				
cks	D	..	..	.05%
90-95% calc. casks	D	.08	..	.08%
94-98% calc. casks	D	.08	..	.08%
99% calc. casks	D	..	..	.07%
USP, 100 lb. bags	D	.11	..	.11%
99% C.P., casks	D	..	..	.12%
Chlorate, crys., 112 lb. bgs. c/l				
whs.	D	.08%	..	.09
Imp. 112 lb. bags NY	D	.08%	..	.08%
Food, 112 lb. bags, whs.	D	.08%	..	.09
Imp. bags NY	D	.08%	..	.08%
Gran. Imp. 112 lb. bags NY..	D	.10%	..	.11
Pyrotechnic, line powd. NY..	D	..	..	.07
USP, fine powder, 110 lb. bags				
NY	D	.14	..	.15
Crys	D	..	..	.12
Gran	D	..	..	.14
Chloride, crys bbls	D	.03%	..	.03%
Citrate, USP, 50 lb.	D	..	..	.60
Cyanide, 110 lb. cases	D	.52	..	.54
Glycerophosphate, 75% Soln. 25 lb				
tins	D	1.55	..	1.50
10 lb.	D	2.00	..	2.25
Guaiacol Sulfonate	D	1.50	..	1.75
Hyposulfite, 10 lb. cans....	D	.90	..	.88
Iodide, USP, 100 lb. cases	D	5.75	..	5.80
Lactophosphate 4 oz bot	D	..	..	.90
Metalbismuthite, 800 lb. bbls ..	D	.10	..	.11
Imp., 550 lb. bbls D		.10	..	.11

POTASSIUM (Cont.)

Muriate, 80%, 200 lb. bags, NY				
K ₂ O unit	D	..	..	.63
Nitrate, see Saltpetre				
Oxalate, neutral 225 lb. bbls ..	D	.16	..	.17
Perchlorate, 112 lb. bags	D	.12	..	.12%
PERMANGANATE, USP, crys. 500 lb				
a 100 lb. drs., whs.	D	.10	..	.10
Imp. 112 lb. drs	D	.14	..	.15
Prussiate red, 500 lb. casks ..	D	.37	..	.38
Prussiate, yellow 500 lb. casks D		.18	..	.18%
Sulphate, 35 lb. cans	D	.60	..	.60
Sulfate, 200 lb. bags, NY K ₂ O unit				
USP, VIII 100 lb. bags	D	..	..	.16
Sulfocyanide, CP 35 lb. jars D		..	..	.50
Tartrate, neutral, 100 lb. bags D		..	..	.61
Titanium Oxalate, 200 lb. bbls D		..	..	.30
Pumice Stone, lump, 250 lb. bbls D		.04	..	.05
Lump, bags	D	.03%	..	.03
Powdered, 250 lb. bbls	D	.03%	..	.03
Pyridine 50 gal drms	gal	4.35	..	4.40
QUESBRACHO, 35% liquid tins ..	D	.03	..	.03%
450 lb. bbls c/l	D	.03%	..	.04
35% bleaching, 450 lb. bbls D		.04	..	.05
Solid 63%, 100 lb. bales c&f D		.04%	..	.04%
Jan-June	D	.04%	..	.04%
Clarified 64% bales	D	..	..	.05
Jan-June	D	.04%	..	.05
Quercetin, 51° 450 lb. bbls ..	D	.06%	..	.07
Solid, 100 lb. boxes	D	.10	..	.13
Quercitron bark, rough	ton	..	..	14.00
Ground	ton	34.00	..	35.00
QUICKSILVER, see Mercury				
Quinidine Alk., 100 oz. tins....	oz.	.70	..	.75
Sulfate, 100 oz. tins	oz.	..	..	.60
Quinidine, see Chinoidine				
QUININE SULFATE, USP.				
American 100 oz. tins	oz.	..	..	.50
1 oz. tins 100 oz. lots	oz.	..	..	.57
Dutch 100oz. tins	oz.	..	..	.50

QUININE SULFATE, USP.

Iava, 100 oz. tins	oz.	..	..	.50
Japanese, 100 oz. tins	oz.	..	..	.50
Small	oz.	..	..	.47%
Acetate	oz.	..	..	.33
Arsenate	oz.	..	..	.38
Bismuthate	oz.	..	..	.38
Bisulfate, USP	oz.	..	..	.43
Bisulfate	oz.	.37	..	.41
Citrate	oz.	..	..	.63
Dihydrochloride, USP	oz.	..	..	.66
Dihydrochloride	oz.	..	..	.66
Dicarbonate, 13 oz. tins	oz.	..	..	1.30
Ethyl Carbonate, 16 oz. tins ..	oz.	..	..	.70
Ferrocyanide	oz.	..	..	.33
Formate	oz.	..	..	.85
Glycerophosphate	oz.	..	..	.38
Hydriodide	oz.	..	..	.88
Hydrobromide, USP	oz.	..	..	.63
Hydrochloride, USP	oz.	..	..	.63
Hydrochlorosulfate	oz.	..	..	.66
Hydride & Urea, USP	oz.	..	..	.88
Hypophosphite	oz.	..	..	.88
Lactate	oz.	..	..	.73
Phenolphthaleinate	oz.	..	..	.88
Phosphate	oz.	..	..	.74
Salicylate, USP	oz.	..	..	.65
Tannate, USP	oz.	..	..	.45
Tartrate	oz.	..	..	.88
Valerate	oz.	..	..	.89

Small Bales: 100 vials or cans, 500. lots 25 oz extra; 500. cans, 500. lots 25 oz extra; 250. cans, 500. lots 25 oz extra; single 100. vials or cans, 50 extra. All minor quantities sold and quoted basis 1000s lots in 1000s cans. Sulfate and bisulfate sold basis 1000s. lots in 1000s cans. Smaller orders or quantities extra as above schedule.

Reason No. 2 for using

EXCELSIOR BOTTLE WRAPPERS



Packed in these Excelsior Bottle Wrappers you are assured safe shipment of your products.

A Broken Container Often Makes the Entire Case Unsalable!

Broken bottles not only represent a loss of merchandise and result in claims, adjustments and correspondence, but the contents of the broken container possibly will soil the labels and spoil the good appearance of every other bottle in the case. Under such conditions the entire lot is unsalable.

Excelsior Bottle Wrappers prevent breakage and safeguard goodwill. They have been a standard of protection for 40 years and are used by all leading bottlers.

A Postcard Will Bring You Samples

EXCELSIOR WRAPPER CO., Est. 1888

GRAND RAPIDS, MICHIGAN

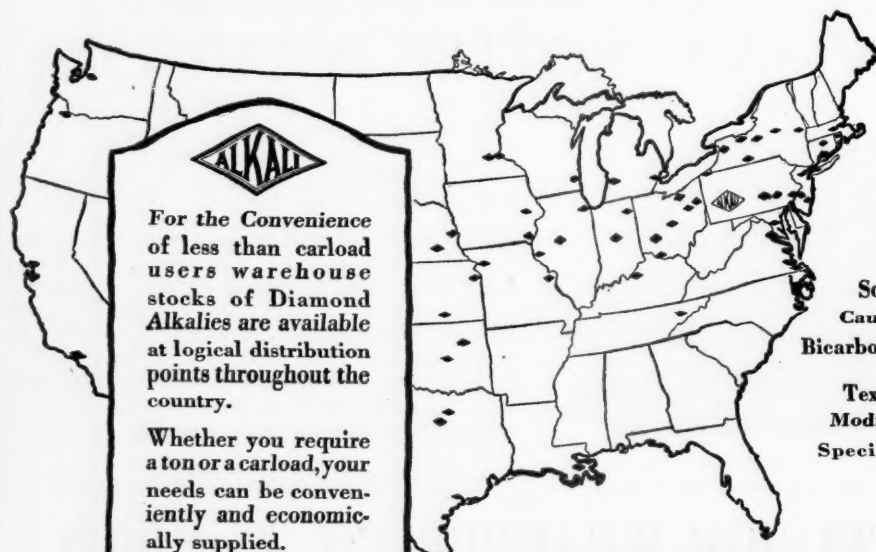
SHEBOYGAN, WIS.

224 W. KINZIE ST., CHICAGO, ILL.

Chemicals

Quinine, 100 lb bags D	1.75	: 2.35	SALTPETRE, Double Refined			Contract, Basis 58% dense bags		
Red Lead, 350 bbls, wks D	.45	: .47	Granular, 400-500 lb bbls			SODA ASH (Cont.)		
Red Precipitate, see mercury			c/l wks D	.06%	: .06%	c/l wks, 100 lb	...	1.45
Resnet, N.F., 51m. (1:25,000) D	2.95	: 3.50	Less c/l wks, bbls .. D	.06%	: .06%	Fmpt. and spot, Basis 58% bags		
Resorcinol, see resorcinol			Large Crystals, 350-400 lb bbls,			c/l wks 100 lb	...	1.90
Resorcinol, tech., 100 lb bags .. D	1.90	: 1.95	c/l wks D	.07%		SODA, CAUSTIC, 76% solid		
USP, 25 lb cans D	2.25	: 2.35	Triple refined, Granular, 350 lb			1-4 drums deliv'd NY..... 100 lb	...	3.91
Reschell Salt, USP, 225 lb bbls D	.20	: .20%	bbls 1/c/l D	.06%	: .06%	5 & Up drums deliv'd NY 100 lb	...	3.76
Imp. USP, 500 lb bbls D	.19	: .19%	Powdered, bbls c/l wks .. D	.07%		Ground & Flakes, 76%		
Resorcinol, triple, 5 gal. drums gal	.85	: .90	Imported, 500 lb bbls NY .. D	.08%	: .08%	1-4 drums deliv'd NY..... 100 lb	...	4.31
Resins, (Sold in 600 lb bbls, gross for net.)			Santonin, USP, bulk D	141.00	: 145.00	5 & up drs deliv'd NY..... 110 lb	...	4.16
B 280 lb	...	14.65	Fowd. bulk D	142.00	: 147.00	1-4 bbls deliv'd 100 lb	...	4.56
D 280 lb	...	15.05	Saponin, refined, 5 lb tins .. D	1.25	: 1.50	5 & up bbls deliv'd 100 lb	...	4.41
E 280 lb	...	15.35	Crude D	1.00	: 1.25	Contract basis 76% c/l wks		
F 280 lb	...	15.50	Static White, 500 lb bbls..... D		.01%	100 lb	...	3.10
G 280 lb	...	15.75	Scopolamine, see hyoscyamine			Fmpt. and spot, Basis 76%		
H 280 lb	...	15.75	Seidlitz Mixture, 225 lb bbls .. D	.16%	: .16%	c/l wks 100 lb	...	3.20
I 280 lb	...	15.75	SILICA			Contract 74% low grade c/l		
K 280 lb	...	15.75	Crude, bulk, mines ton	6.00	: 7.00	wks, flak 100 lb	...	3.03
M 280 lb	...	15.80	Refined, flaked, bags ton	18.00	: 30.00	Ground & flake, 76% pmpt. and		
N 280 lb	...	16.10	Air flaked, bags ton	32.00	: 50.00	spot, wks, c/l drs 100 lb	...	3.00
WG 280 lb	...	16.40	Extra, flaked, bags ton	55.00	: 65.00	Contract 76% drums c/l wks,		
WW 280 lb	...	16.60	Colloidal, 16oz bot cs		2.80	flak 100 lb	...	3.50
(Sold in 600 lb bbls net quotations based on a unit of 280 lb)			SILVER, metal American os cs		.68%	USP, stick, 10 lb cans lb	...	.21
Resin Oil first run 50 gal bbls gal	...	.73%	Iodide, 16 oz bot cs		.69	Pure, stick, by alcohol lb	...	.27
Second run bbl gal	...	.78%	Nitrate 16 oz bot cs		.46%	Soda Sal. see Sodium Carbonate		
Reson Stone lump imp bbls .. D	.67	: .68	Nucleinate 1 oz bot cs		.41	Sodium Metal, 12 1/2 lb bricks .. D	...	.37
Lump selected, bbls D	.60	: .12	Bulk cs		.34	SODIUM ACETATE, crys. 450 lb bbls		
Powdered bbls D	.02	: .05	Protein, 1 oz bot cs		.36	Wks lb	...	.04%
Domestic, bags mines 24.00	: 30.00		Bulk cs		.29	Aluminate 500 lb bbls wks lb	...	.07%
SACCHARIN, USP, 10 lb cans, 35 lb			Soap, Castile, 40 lb cans lb	.20	: .35	Aluminum Sulfate, see alum soda		
Salt Soda, see Sodium Carbonate			Powd. USP, 250 lb bbls D	.28	: .30	Arsenite, 4 lb mat, wks drum gal	...	.60
Sulfate, USP, 1 lb cartons, 35 lb D	5.00	: 5.25	Green, USP, 450 lb bbls D	.07%	: .08%	Drums, 8 lb material, wks gal	...	1.20
Sulfate, USP, 100 lb drums D	.90	: .90	Soapstone, see Tale. crude			Bromate, USP, 100 lb bbls .. lb	...	.65
Salt Common, see sodium chloride			SODA ASH, 58% light			Bicarbonate, 400 lb bbls NY 100 lb	...	2.41
Salt Cake 94-96% c-l wks ton	19.00	: 20.00	1-4 bags, deliv'd NY..... 100 lb	...	2.19	Bbls c/l wks 100 lb	...	3.00
White, 87% wks ton	14.00	: 15.00	5 & Up bags deliv'd NY 100 lb	...	2.04	112 lb bags c-l wks lb	...	3.25
			1-4 bbls, deliv'd NY 100 lb	...	2.44	112 lb bags NY 100 lb	...	2.60
			5 & Up bbls deliv'd NY 100 lb	...	2.29	Bichromate, 500 lb cans wks lb	...	.06%
			Contract, Basis 58% bags c/l			Casks c-l NY D	...	.06%
			wks 100 lb	...	1.35	Casks, NY D	...	.06%
			Frompt and spot, Basis 58% bags			Blasite, dry powder, 500 lb03%
			c/l wks 100 lb	...	1.42	Imported D03%

Warehouse Stocks from Coast to Coast



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PITTSBURGH, PENNA



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Dense—Light

Solvay Fluf (Extra Light Soda Ash)

Solvay 76% Caustic Soda

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Solvay Tanners Soda

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Chemicals

SODIUM—(Continued)

BROMIDE, USP, 450 lb bbls...	.48	: .49
Cases, 50 lb48	: .49
Imp. USP, 220 lb cases42½	: .43
Bromate, 100 lb ca.		: 1.15
Cacodylate, USP, 25 lb		: 5.00
50 lb bot	5.00	: 6.10
Carbonate Sal Soda 250 lb bbls...		: 1.30
1c/l NY	1.30	: 1.35
Works c/l	1.10	: 1.30
Mocodrate, 400 lb bbl		: 2.40
1c/l NY		: .06
Pure photographic 100 lb .....	.06	: .08
Chlorate, 112 lb kegs, wks .....	.06½	: .06½
Imported, 112 lb kegs .....	.06½	: .06½
Chloride, tech	12.00	: 13.00
C. P., 300 lb bbls .....	.05	: .06
Chromate 800 lb bbl		: .08
Citrate, USP, IX, 50 lb bbls		: .52
kegs .....	.52	: .54
USP, VIII, 50 lb bbls kegs .....	.45	: .47
Cyanide 96-98% 100 & 250 lb drums		: .30
wks		: .19
c-l wks		: .19
Imp. 95-97% 100 lb drums		: .18
c-l		: .09
Fluoride, 300 lb bbls, wks .....	.09	: .09½
Imp. 700 lb cks .....	.08½	: .09
Glycerophosphate USP, 35 lb cans	1.40	: 1.55
Powder, 25 lb tins	1.45	: 1.60
Solution, USP, 35 lb tins	1.05	: 1.20
Hydroxide, see Soda Caustic		
Hypochlorite Soln, 100 lb cysb		: .05
14½% soln, 50 lb cysb		: .04
Hydroxide, 200 lb bbls f.o.b. wks .....	.23	: .24
For Stripping, 50 lb cans .....	.30	: .35
Hypophosphite, USP, 25 lb cans .....	.70	: .75

SODIUM—(Continued)

HYPOSULFITE, tech, pea crys.		
375 lb bbls, wks	2.65	: 3.05
Bbls, c/l wks		: 2.50
100 lb kegs, wks	2.80	: 2.90
Imp	2.75	: 3.00
Regular crys., bbls, wks	2.40	: 2.65
Bbls, c/l wks	2.40	: 2.50
Kegs, wks	3.00	: 3.10
Imp	2.35	: 2.45
Iodide, USP, 25 lb jars	4.25	: 4.30
Metanilate, 150 lb bbls .....	.70	: .75
Molybdate 100 lb kegs		: 1.10
Naphthionate, 300 lb bbls .....	.55	: .57
Nitrate crude, 95% 200 lb kegs		: 2.67
c-l NY		: 2.67
Jan Shipment NY		: .03½
Double Refined 400 lb bbls		: .05½
gran. c/l wks		: .09
Powdered bbls c/l wks		: .09
Nitrite, 500 lb bbls spot makers		: .25
Imp., 650 lb casks		: .20
Ortho-Chloro-Toluene Sulfonate,		: .21
175 lb bbls, wks .....	.25	: .27
Oxalate, neutral, 100 lb kegs .....	.20	: .23
Persulfate, 275 lb bbls .....	.21	: .22
Imp. 225 lb dra. ....	.21	: .22
Peroxide, 200 lb cases		: .340
Phosphate, di-sodium, tech, 550 lb	3.40	: 3.75
bbls .....	.07	: .07½
USP, gran, 275 bbls .....	.04½	: .05½
Imp. gran .....	.07½	: .08
USP, Crystal, 275 bbls .....	.30	: .31
Mono-sodium, 100 lb kegs		: 3.90
Tri-sodium tech, c-l bbls 100 lb		: .08
Picramate, 100 lb kegs		: .10
Para-Toluene Sulfonate 175 lb		: .10
bbls .....	.34	: .36
PRUSSIAN, yellow, 350 lb bbls .....	.10	: .10½
wks .....	.10	: .10½
Imp 50 lb cks .....	.34	: .36
Pyrophosphate, 100 lb kegs		: .40
Salicylate, 100 lb kegs .....	.39	: .40
Second hands, USP, kegs		

SODIUM—(Continued)

Silicate, 40° turrid, tanks		: .75
wks		: .85
55 gal drums, wks		: 1.10
40° clear, tanks, wks		: 1.30
55 gal dra, wks	1.30	: 1.45
42° turbid, tks, wks		: .80
55 gal dra, wks .....	.90	: 1.15
42° clear, tanks, wks		: 1.25
55 gal dra, wks	1.35	: 1.75
Silicofluoride, 450 lb bbls NY .....	.04½	: .05
Stannate, 100 drums .....	.42½	: .43½
Sulphate, see Glauber's Salt		
Sulfate, Anhydrous, 550 lb bbls		: .03½
c-l wks		: .02
Imp, 250 lb bbls .....	.02	: .02½
Sulphide, 66% solid, 650 lb dra.		: .04½
1c/l wks		: .04
Dra. c/l wks		: .03½
Imp. 700 lb dra NY		: .04½
50% broken, 650 lb dra wks		: .04½
Dra. c/l wks		: .02½
30% crys. 440 lb bbls wks .....	.02½	: .02½
Imp. 400 lb bbls		: .03½
Sulfite, crys., 400 lb bbls, wks .....	.03½	: .03½
Anhydrous, 400 lb bbls .....	.09½	: .10
Sulfocarbamate, USP, 100 lb kegs .....	.32	: .34
Sulfocyanide, 400 lb bbls .....	.40	: .45
Tungstate, cryst. 100 lb kegs .....	.80	: .82½
SOLVENT NAPHTHA, 110 gal		
dra. wks .....	.40	: nom.
5,000 gal tank car wks .....	.35	: nom.
Spartein Sulfate, USP, 25 oz bulk os		: .77
Single oz. vial		: .01
Spruce, 25% liquid tanks, wks01	: .01½
bbls		: .02
Powd. 50% 100 lb bags, wks02	: .02½
Starch, rice, 140 lb bags00	: .10



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All Tests

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Chemicals

WASH. POWD. 140 D bgs c-1 100 D	3.22
Bags c-1 100 D	3.32
Pearl, 140 D bgs	3.12
Bags c-1 100 D	3.22
Potato domestic, 200 D bags-c-1 D	.08
Imported bags duty paid.. D	.08 1/2
Wheat, dom thick bgs	.06 1/2
Thin bgs	.09 1/2
Sol. Potato	.07
SIRONTIUM Bromide, USP, 50 D	
bags	.54
Carb. N. F. 600 D bbls wks D	.30
100 D kgs, wks	.08
Iodide, USP, 15 D jars	4.00
Nitrate 600 D bbls NY	.08
Imp., bbls NY	.08 1/2
Salicylate, USP, 100 D kgs	.75
STRYCHNINE Alkaloid, USP, crys.	
100 gm. tins	.61
Japanese cans	.75
Alk., powd. USP	.51
Acetate	.55
Glycerophosphate, USP	.55
Hydrobromide	.55
Hydrochloride	.55
Hypophosphate	.65
Nitrate, USP	.55
Phosphate	.55
Sulfate, USP, crys powd	.42
Saccharinate	1.15
Strychnine preparations quoted bases	
100 gm lots in 1000s tins. Small sizes:	
1/4 gm vials, 50c extra; 1/2 gm vials, 25c	
extra; single ounce vials, 7c extra. Lots	
of 25 gm. 5c higher than above	
schedule. Lots of less than 25 gm.	
10c higher per gm.	
Sugar Coloring (See Caramel)	
Sugar Milk, USP, 200 D bbls	.20
Second Hands, USP, bbls	.18
Sulfonal, see Sulfonmethane	
Sulfonethylmethane, USP, 10 lbs D	3.25
Sulfonmethane, USP, 10 D bbs D	2.00

SULFUR	
Crude, f.o.b. mines	17.00
Brimstone, 250 D bags c/100 D	1.95
Less c/1 bags NY	2.05
Roll, 500 D bbls c/1 NY 100 D	2.30
Less c/1 bags NY	2.35
Flour, Heavy, bags	2.70
Light 100% bags	2.80
Rubbersnakers 100%	2.40
bbls, NY	3.05
Commercial, 99% c-1 150 D bgs	
NY	1.40
For Dusting, c-1 99%	100 D
bgs NY	2.05
Flowers, 100% 155 D bbls	
N Y.	3.35
Precipitated, 125 D bbls NY	.15
Lac, 125 D bbls NY	.10
Sulfur Chloride, red, 100 D gals	
wks	.05
150 D clys wks	.06 1/2
Yellow, 700 D drs wks	.03 1/2
Sulfur Dioxide, 100 D cyl	.08
Iodide, USP, VIII, 5 D bot.	4.55
Sulfuryl Chloride, 600 D drs	.45
Sumac, extract, liquid 450 D bbls D	.95
C.P. 450 D bbls	.10 1/2
Stainless, 600 D bbls	.11
Sumac, Sicily leaves 100 D bags ton	180.00
Ground Shipment	95.00
Virginia, 150 D bags	55.00
TALC, Italian 220 D bags NY	40.00
Refined, white, bags	50.00
French, 220 D bgs, NY	30.00
Refined, white, bags	38.00
Dom., crude, 100 D bags NY	12.00
Refined 100 D bags NY	16.00
Tanbaga, ground, NY	4.25
High grade f.o.b. Chicago	3.25
So. Am. c.i.f.	4.15
Tapioca Flour, high grade bgs	.05 1/2
Medium grade, bgs	.04 1/2
Low grade, bgs	.03 1/2
Tar Coke Oven, Tks wks	.07
Water Gas, Tks wks	.08

Tar, kiln-burnt	bbl	15.50
Retort	bbl	15.50
Tartar Emetic tech., 700 D bbls D		.29
USP, 300 D bbls	D	.31
Tensilac 41, 100 D drums	D	.65
Tensilac 69, 100 D drums	D	4.80
Terpils Hydrate, USP, 100 D kgs	D	.45
Terpineol, CP, 1000 D drums	D	.38
Cans, 50 D	D	.42
Imported, cans 25 D	D	.43
Terpinyl Acetate, 25 D cans	D	1.65
Terra Alba, No. 1, 300 D bbls 100 D		1.85
Tetralene, 50 gal drs. wks	D	.20
Theobromine Alk., 5 D cans	D	3.75
Sod. Salicylate, 1 D bot.	D	2.92
Thiocarbamid, 170 D bbls	D	.24
Thymol, USP, 25 D tins	D	4.25
Iodide kgs	D	6.75
TIN, metal, Straits NY	D	.62 1/2
99% American NY	D	.62 1/2
Bichloride, 50% soln. 100 D		
bbls wks	D	.17 1/2
Crystals, 500 D bbls wks	D	.43
100 D kgs wks	D	.43 1/2
Iodide 5 D boxes	D	.07 1/2
Oxide 300 D bbls wks	D	.68
100 D kgs wks	D	.61
Recovered bbls	D	.60
Tetrachloride, 100 D drs wks	D	.32
Titanium Oxide, bbls, wks	D	.13
Tolidine, 350 D bbls	D	.90
Sulfate, 350 D bbls	D	.80
Toluene, 8000 gal tank cars wks gal		.35
110 gal drs wks	D	.40
Nitration, Tank cars, wks	D	.37
Drums, Wks.	D	.42
Non-corrosive, Tank cars, wks gal		.36
Drums, wks	D	.41
Toluidine, Mixed, 900 D drs, wks D		.31
Toners, para red	D	.85
Toluidine	D	1.75
Triacetin, 50 gal drs wks	D	.35
Triphenylmethane, 100 D cases	D	1.10
Trichloroguanidine	D	.89
Triphenyl Phosphate, 450 D bbls D		.78

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PRICES CURRENT SECTION

Chemicals

Trippell, 500 lb bbls 100 lb	2.50	3.00	YARA YARA, 1 lb tin 1.05	1.20
Tungsten, NY W.O. unit	12.00	13.00	Yohimbin Hydrochloride, 1 oz. vial.....	4.00
Turkey Red Oil, bbls single lb	.11	.15	Resale	3.00
Urethol lb	.16	.18	Yolk Oil bbls lb	.35
Urethane Spirit bbls gal	1.11	1.15	ZINC, METAL, high grade, slabs	
Wood steam Dist., bbls gal	1.01	1.05	c-1 NY 100 lb	9.00
Ultramarine Blue lb	.15	.35	Ammonium Chloride, powd., 400 lb	
UREA, pure, 112 lb cases lb	.18	.30	bbls lb	.06%
Valonia Caps. 30-31% tan ton		35.00	Carb. tech bbls NY lb	.00%
Veal 42% tan, bags ton	55.00		USP, 100 lb bags lb	.30
Mixture, 36% tan bags ton		40.00	Chloride, fused, 600 lb drs. vial.....	.07%
VANILLIN, USP, 500 oz cans oz		.49	Dr. e/l vial lb	.06
Cans, 80 oz oz		.50	Granulated, 500 lb bbls wks lb	.06%
Cans, 16 oz oz		.51	Imported dr NY lb	.06%
Second Hands oz	.47	.49	Solution, 50%, tanks wks lb	.30
Vermilion Red lb		.09	USP, 25 lb jars cont. ex. lb	.27
Vermilion, Amer. 100 lb bags lb	.35	.40	Cyanide, 100 lb drs lb	.40
English, bags lb	1.40	1.45	Dust, 100 lb tins, wk lb	.10
Vervine Sulfate, 1 oz vial oz		1.35	500 lb bbls kgs c/l wks lb	.09
Hydrochloric, 1 oz vial oz		1.35	500 lb bbls, kgs, 1c/l wks lb	.09%
Veronal, see Acid Diethylmalic			Isolide, 5 lb lots lb	.35
Vulcone, 250 lb bbls, wks lb	.74	.77	Nitrate, 25 lb jars lb	.45
Wattle Bark, bags ton	38.50	39.00	Oxide, Amer. Bags wks lb	.07%
Extract 55% dble bps ex-dock lb		.05%	Amer 300 lb bbls wks lb	.07%
WHITE LEAD, see lead, white			French, 300 lb bbls wks lb	.10%
White Precipitate, see mercury			REL, c-1 wks lb	.10%
Whiting, 200 lb bags, e/l wks 100 lb		1.35	Bags, c-1 wks lb	.10%
Alba bags NY c-1 ton		13.00	USP, 100 lb bbls c/l lb	.14
Gliders, bags NY c-1 100 lb		1.35	10-25 bbl lots lb	.15
French, bags NY c-1 ton	14.50	19.00	5 bbl lots lb	.16
English, bags NY c-1 ton	21.00	22.00	1 bbl lots lb	.17
Paris white bags c-1 100 lb	1.	1.	Imported, white seal, bbls lb	.12
White Hazel Extract, 50 gal. bbls gal	1.05	1.10	Green seal, bbls lb	.11%
XYLENE, 3° dist range nitration			Red seal, bbls lb	.10%
110 gal drs NY gal	.70	nom.	Stearate, USP, 50 lb bbls lb	.21%
5° dist. range, 8000 gal. tanks			Small lots lb	.23
wks lb	.55	nom.	Second hands lb	.20
110 gal drs wks gal	.60	nom.	Sulfate, 400 lb bbls wks lb	.03%
10° dist. range drms, wks gal	.55	nom.	Bbls, e/l wks lb	.03
Tanks wks gal	.50	nom.	USP 100 lb bbls lb	.14
Com'l 110 gal drs wks gal	.41	nom.	Sulfide, 500 lb bbls lb	.30
Tanks, wks gal	.38	nom.	Sulfocarbamate, 100 lb bags lb	.30
Xylidine, crude lb	.37		Zirconium, oxide, pure lb	.45
Refined lb	.40	.42	Semi-ref'd, bags lb	.08
			Natural, bags lb	.02%

Oils - Fats

Castor, No. 1, 400 lb bbls lb	.14%	.15
80 lb cases lb	.15%	.16
No. 3, bbls lb	.14	.14%
Blown, 400 lb bbls lb		.18
China Wood, spot NY lb	.13	.13%
Tanks Spot, NY lb	.12%	.12%
Coast tanks lb	.11%	.11%
Coconut, Ceylon, 375 bbls NY lb	.12	.12%
8,000 gal tanks NY lb	.11	.11%
Cochin, 375 lb bbls NY lb	.12%	.13
Tanks NY lb		.11%
Manila bbls NY lb	.11%	.12%
Tanks, Pacific Coast lb	.10%	.10%
Edible bbls NY lb	.13%	.14
Cod Newfoundland, 50 gal bbls gal	.69	.70
Tanks, NY gal	.63	.64
Cod Liver, see Cod Liver Oil under Chemicals		
Copra, bags lb	.06	.06%
Corn, ref., 375 lb bbls NY lb	.15	.13%
Tanks lb	.12	.12%
Crude tanks mills lb		.09%
Bbls NY lb	.12	.12%
Cottonseed crude tks mill lb		.09%
PSY 100 bbls NY spot lb		.11
Jan-Aug lb	.10%	.11%
White, 100 bbls lots, NY lb		.13%
Winter yellow, 100 bbls NY lb	.13	.13%
Degras, Amer. 50 gal bbls, NY lb	.04%	.04%
English, light, bbls, NY lb	.05%	.05%
Brown, bbls, NY lb	.04%	.04%
Light brown, bbls, NY lb	.04%	.04%
Dark, bbls, NY lb	.03%	.04
Neutral, bbls, NY lb	.07%	.12
Moellon, bbls, NY gal		.50
Graeses choice white bbls NY lb	.11%	.11%
Yellow lb		.09
House lb		.09%
Brown lb		.08%



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Edw. C. Railing, Manager
Formerly of the Plaza, New York.

Walter Tugan
President.

Oils - Fats

Herring, Tanks, Coast	gal	.40	: nom.	Peanut refined bbls NY	b	.15	: nom.
Bow, 375 lb bbls, NY	b	.10	: nom.	Crude, mills buyers' tks	b	.10	: nom.
Lard, prime steam, bbls	b	.17%	: .17%	Crude, bbls, NY	b	.11	: nom.
Compounds, bbls	b	.14%	: .14%	Perilla, bbls NY	b	.15%	: .15%
LARD OIL edible prime	b	.18%	: .18%	Poppoed, bbls NY	gal	1.85	: 2.00
Off prime bbls	b	.14%	: .14%	Rapessed refined bbls NY	gal	.94	: .95
Extra bbls	b	.14%	: .14%	Blown bbls NY	gal	1.14	: 1.15
Extra, No. 1, bbls	b	.18%	: .18%	Red Oil, distilled bbls	b	.11%	: .11%
No. 1, bbls	b	.13	: .13	Tanks	b	.10%	: .10%
No. 2, bbls	b	.12%	: .12%	Saponified, bbls	b	.11%	: .12
LINSEED, raw c-1 bbls spot	b	.119	: .119	Tanks	b	.10%	: .10%
Five bbls raw	b	.123	: .123	Salmon, 8000 gal. tks. Coast	gal	.50	: nom.
Tanks, raw	b	.111	: .111	Sardine, Tanks, Pacific Coast	gal	.57	: .57
Boiled, 5 bbl lots wks	b	.120	: .120	Sesame, edible, yellow bbls	b	.13%	: .14
Double boiled 5 bbl	b	.128	: .128	White	b	.14%	: .15
Dec-April c-1 wks	b	.119	: .119	Red Oil, bbls, NY	gal	.40	: .40
Imported bbls NY	gal	.4	: .4	SOYA BEAN, crude tks, Pacific Cst	b	.10%	: .10%
Tanks, NY	gal	.4	: .4	Crude, tks NY	b	.12%	: nom.
Menhaden, crude tanks, Balt	gal	.55	: nom.	Crude, bbls NY	b	.13%	: .13%
Light pressed, bbls NY	gal	.72	: .74	Refined, bbls NY	b	.14%	: .14%
Yellow, bleached bbls NY	gal	.75	: .77	Sperm, 38° c.t. bichd. bbls NY	gal	.87	: .89
Extra bleached bbls NY	gal	.77	: .79	45° cold test, bichd., bbls NY	gal	.84	: .86
Blown, bbls, NY	b	.10%	: .10%	STEARIC ACID, s.p. 200 lb bags	b	.15%	: .15%
Neatsfoot 20° c.t. bbls NY	b	.19%	: .19%	Double pressed, bags distilled	b	.15%	: .16
Pure bbls NY	b	.16%	: .16%	Double pressed, bags saponified	b	.15%	: .16
Extra bbls NY	b	.13%	: .13%	Triple pressed, bags distilled	b	.18	: .18%
No. 1, bbls NY	b	.13	: .13	Triple pressed, bags saponified	b	.18	: .18%
C.P. bbls NY	b	.19%	: .19%	Stearic oleo, bbls	b	.12%	: .12%
Oleo Oils No. 1, bbls NY	b	.13%	: .13%	Tallow edible, tierces	b	.11%	: .11%
No. 2, bbls NY	b	.11%	: .11%	City Extra loose	b	.09%	: .09%
No. 3, bbls NY	b	.11	: .11	Tallow Oil, acidless tks, NY	b	.11%	: .11%
OLIVE denatured bbls NY	gal	1.25	: 1.30	Bbls c-1 NY	b	.12%	: .12%
Edible, bbls, NY	gal	2.00	: 2.30	Walnut, crude bbls NY	b	.76	: .78
Foots bbls NY	b	.08%	: .08%	Whale, nat winter bbls, NY	gal	.78	: .80
Shipments	b	.09%	: .09%	Blehd winter bbls, NY	gal	.80	: .82
Palm Lagos, 1500 lb casks	b	.09%	: .09%	Extra Rich, bbls, NY	gal	.80	: .82
Niger casks	b	.08%	: .08%	Crude No 1, tanks coast	gal	.80	: .82
Bongy old Calabar, casks	b	.08%	: .08%	Crude No. 2, tanks coast	gal	.80	: .82
Palm Kernel bbl NY	b	.10%	: .10%	Crude No. 3 tanks coast	gal	.80	: .82
Casks	b	.10%	: .10%				

Crude Drugs

Acetone, Gum, red, see Yacon			
ACONITE LEAVES, bales	b	.09	: .10
Root, USP, bags	b	.26	: .20
Agar Agar, 1, 200 lb bbls	b	1.30	: 1.40
No. 2, bales	b	1.30	: nom.
No. 3, bales	b	1.10	: 1.20
Shipment	b	.80	: .80
Agaric white, cases	b	.90	: .95
Granulated, boxes	b	1.25	: 1.50
Almonds, bitter, boxes	b	.55	: .60
Sweet, boxes	b	.65	: .70
Meal, barrels, boxes	b	.24	: .26
Aletris Root, bags	b	.36	: .40
Alkanet Root, bags	b	.08%	: .10
Aloes, Barbadoes, 120 lb bbls	b	.125	: 1.35
Cape, 400 lb cases	b	.12	: .14
Curacao, 100 lb cases	b	.11	: .11%
Scotrine whole, 300 lb cs	b	.82	: .82
Althia Root Cut cs	b	.45	: .50
Grd. & Fwd. bgs	b	.50	: .55
Ambergia, black boxes	b	8.00	: 10.00
Grey, boxes	b	.26	: .26
Ammoniac, tears, bags	b	.75	: .80
Angelica Root, dom. bags	b	.16	: .17
Angustura Bark, bags	b	.15	: .20
Anise, Levant, bags	b	.14%	: .15
Russian bags	b	.13%	: .13%
Star Cuso	b	.16	: .16%
Spanish bags	b	.13	: .13%
Arnica Root, 200 lb bags	b	.15	: .18
ARABIC GUM.			
White, No. 1, 200 lb bags	b	.34	: .35
Secunde, 350 lb bags	b	.23	: .25
Sorbs, Amber 200 bgs bbl	b	.13%	: .13%
Powd., USP, 300 lb bbls	b	.21	: .22
Arca Nuts 150 lb bags	b	.18	: .20
Powd., 200 lb bbls	b	.22	: .23
Arnica Flowers, bales	b	.13	: .14
Root, bags	b	.00	: nom.

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arrowroot, Amer. Powd. bbls....	.10	: .10%	Burdock Root, bags09	: .10	Cassia Batavia, No. 3 bales ..	.10	: .10%
Bermuda, bbls .....	.13	: .14	Seed bags .....	.09	: .10	China, Select rolls cases .....	.08%	: .08%
St. Vincent Powd. bbls .....	.13	: .14	Sarguimitch dom., 110 lb staves	.08	: .09	Saigon, Cut thin .....	.28	: .29
Asafetida, USP., 250 lb cases ..	.24	: .30	Grom for net .....	.11	: .12	Broken, bales .....	.06%	: .06%
Powd., 50 lb bxs .....	.45	: .60	Imported .....	.65	: .70	Buds, cases .....	.23%	: .24
SALM GILEAD BUDS, bags .....	.40	: .43	Calabar Beans bags .....	.45	: .48	Cassia Fistula, baskets .....	.07	: .09
Salmomy Herbs, bales .....	.37	: .39	Calamus Root, bleached, cases ..	.06%	: .07	Castile Soap, USP, powd., 200 lb	.20	: .22
SALSAMS .....	.37	: .39	Unbleached, bags .....	.80	: .85	bars .....	.30	: .33
Copalba, Para 80 lb cs	11.00	: 13.00	Calendula Petals imp bales .....	.35	: .38	Powd., USP, 200 lb bbls .....	.03	: .03%
South American 80 lb cs .....	.95	: 1.20	Calisaya Bark, bales powd. ....	.07%	: .08	Castor Beans, bags .....	.03	: .03%
Fir Canada, cans	1.80	: 1.85	Camphor, see Chemicals .....	.06%	: .06%	Castoreum, See Aromatic Chemicals, Perfumes, Sun-		
Oregon bbls cases	1.30	: 1.40	Canary Seed, Morocco, bags .....	.06%	: .06%	Gries		
Peru, 120 lb cases .....	.06	: .07	Spanish bags .....	.06%	: .06%	Catnip Herb, bales .....	.23	: .26
Tolu, 120 lb cases .....	.13	: .15	South American, bags .....	.06%	: .06%	Catechu Gum bags .....	.11	: .12
Bamboo Brier Root, bags .....	.50	: .53	Dutch bags .....	.36	: .38	Celery Seed bales .....	.23	: .23%
Barberry Bark, tree bales .....	.21	: .22	Candellilla Wax, bags .....	.42	: .46	Ceresin Wax, white bags .....	.12	: .30
Root, bags .....	.21	: .22	Canella. Alba Bark, bales .....	.22	: .23	Yellow, 200 lb bags .....	.10	: .12
Wax, bbls .....	.15	: .18	Cannabis, true Imp., bags .....	.85	: .80	Imp 100 lb bags .....	.20	: .25
Beladonna Leaves, bales .....	.15	: .18	American (no assay) bales .....	.78	: .80	CHAMOMILE FLOWERS, Roman		
Root bags .....	.56%	: .57%	USP	1.00	: 1.10	cases bales .....	.19	: .25
Bee Wax, white cases .....	.46	: .47	Antharides, Chinese cases .....	.60	: .65	Hung., cases bales .....	.06	: .06%
Yellow, refined, cases .....	.43	: .45	Powdered bags .....	.75	: .90	Charcoal, Willow powd bbls .....	.04	: .05
Crude bags	1.50	: 1.50	Russian, cases .....	.07%	: .08	Wood powd. bbls .....	.07	: .08
Benzoin Gum, Stam, boxes .....	.26	: .28	Caraway Seed, African, bags	2.50	: 2.80	Chestnut Bark, bags .....	.06	: .06%
Sumatra 80 lb boxes .....	.12	: .13	Dutch, 11 lb bags .....	.23	: .20	Herb, bales .....	.75	: .80
Berberis Aquifolium Root, bags ..	.22	: .25	aromom., bleached cases	1.45	: 1.55	Chicle Gum, 100 bbls .....	.07	: .10
Beth Root, bags .....	.40	: .43	Decorated cases .....	.50	: nom.	Chiretta bales .....	.65	: .75
Bitter Root, 100 lb bags .....	.40	: .43	Green, grinding bags .....	.47	: .48	Cinchona Bark, red quill bales ..	.25	: .29
Blackhaw Bark, root bales .....	.15	: .16	Carnauba Wax, Flor., bags .....	.50	: nom.	Broken cases red .....	.24	: .25
Tree, bales .....	.40	: .43	Powd. .....	.50	: nom.	Yellow .....	.50	: .51
Uaca Indian Root, 100 lb bags ..	.12	: .13%	No. 1, Yellow bags .....	.37	: .37	Cinnamon, Ceylon Nol. bales ..	.48	: .49
Blood Root, bags .....	.25	: .27	No. 2, regular bags .....	.37	: .37	No. 2, bales .....	.47	: .48
Blueflag Root, bags .....	.19	: .22	No. 2, N Country bags .....	.37	: .37	No. 3, bales	1.35	: 1.50
Jaldo Leaves, bales .....	.08	: .08%	No. 3, chalky bags .....	.18	: .20	Civet, Abyssin boxes .....	.16	: .17
Boneset Herb, bales .....	.09	: .11	Cascara, Amarga 150 lb bales ..	.15	: .16	Clover Tops bags .....	.26%	: .26%
Leaves, bales .....	.17	: .19	So-called bales .....	.18%	: .14	Cloves, Zanzibar 135 lb bales ..	.40	: .42
Borage Flowers, bales .....	.11	: .13	Cascarilla Bark, quills, bales ..	.11%	: .12	Amboyna, bales .....	.58	: .58
Bryonia Root, bags .....	.58	: .60	Cassia Batavia, No 1 bales .....	.35	: .40	Penang, bales .....	.62	: .63
SUCHO LEAVES, short, 250 lb	.60	: .65	Shortstick, bales			Cochineal, Black		
bales						Silver		
Less bales						Coca Leaves, Huancoco bags ..		
Long bales						Trudillo, bags		
Blackbean Leaves, bales						Cohosh Root, Black bags .....	.07%	: .15
Buckthorn Bark, bags						Blue, bags .....	.08%	: .10
Berries						Colchicum Root, bags06%	: .07
						Seed, bags16	: .17
						Coleynth, Pulp USP., bales ..	.35	: .40



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.10%	Coltsfoot Leaves, bags	.11	.13	Kiecampans Root, bags	.08	.08%	Quarara, fine cases	.08	.08
.08%	Comfrey Root, bags	.13	.14	Elder Flowers, bags	.10	.10%	GUM, see Arabic Gum, etc.		
.29	Cundurango Bark, bags	.13%	.18	Elemi Gum, 85 lb cases	.21	.22	HELLEBORE ROOT,		
.06%	Conium Herb, bags	.11	.12	Kim bark, select 5 lb bundles cases	.24	.28	Black, bbls	.06	.07
.00	Seed, bags	.10	.11	Grinding, bags	.14%	.18	Powdered	.13	.15
.32	Copaiba Balsam Para, see Balsams			Powdered, bbls	.22	.28	White, 250 lb bbls	.09	.10
.33	Copal Gum	.12	.18	ERGOT 150 lb 200 lb bags	.75	.80	Powdered	.12	.15
.03%	Jerander Seed, Bombay, bags	.08	.08%	Eucalyptus Leaves, bales	.08%	.08	Helonias Root, (unclean false)		
.00	Morocco, bags	.04%	.05%	Euphorbia Pilulifera Herb, bags	.08%	.09	bags	.62	.65
.36	Bleached bags	.08	.08%	Euphorbium Gum, cases	.23	.27	Hemp Seed, bags	.03%	.04%
.12	Corn Silk bales	.06	.07	Powdered boxes	.23	.28	Henbane Leaves, bales USP	.27	.28
.23%	Cotton Root Bark, bales	.13	.14	Fennel Seed, French, bags	.07%	.08%	No. assay	.26	.27
.30	Cowhage, oz. tins	..	1.50	German bags	.12%	.14	Henna Leaves, bales	.08%	.10
.12	Cramp Bark, so-called bales	.08%	.07	Indian, bags	.08%	.09	Powdered	.11	.13
.34	True, bags	.30	.32	Fenugreek Seed, 200 lb bags	.04%	.05%	Honey, Calif., 120 lb cases	.11	.13
.25	Cranesbill Root, bags	.09	.10	Fish Berries, 100-125 lb bags	.06	.06%	Hops, NY prime bales	.28	.30
.25	CUBES BERRIES, XX bags	.60	.62	Flax Seed, whole 180 lb bbls	..	14.75	Pacific Coast prime bales	.25	.27
.06%	Powdered, bxs	.63	.65	Ground, 180 lb bbls	.08	.08%	Forehound Herb, bales	.08	.08%
.05	Culvers Root, bags	.18	.20	Fringe Tree Bark, bags	..	.23	Horse Nettle, Berries, bags	.25	.25
.08	Cumin Seed, bags	.11%	.12	Fumigating Pastilles Black, 1 lb			Horsefall Rubb, bags	..	.15
.06%	Malta bags	.11%	.12	boxes	..		Hydrangea Root, bales	.00	.10
.80	Morocco bags	.10%	.11	Red, 1 lb boxes	.45	.50	India Gum, see Karaya		
.10	Outfish Bone, Trieste, straps	.12%	.13	GALANGAL ROOT, bags	..	.09%	INSECT FLOWERS, open whole		
.75	Jewellers large, straps	..	.50	Galbanum Gum, cans	.10	1.35	Bales	.17	.21
.29	Small, straps	..	.25	Gambler Gum, bbls	..	1.00	Powdered	.25	.26
.25	French straps	.12%	.15	Gamboge Gum, 100 lb cases	..	1.10	Closed, whole bales	.24	.25
.51	Powdered, boxes	.08	.09	Powdered cases	1.10	1.20	Powdered pure 200 lb bbls	.28	.30
.49	Broken, boxes	..	.07	Gelsemium Root, bgs	.09	.10	Ipecac Root, Cartagena bags	..	nom.
.50	Damar Gum, Batavia, 136 lb cs	.29	.30	Gentian Root, bags	.07%	.08	Powdered 200 lb bbls bxs	3.30	3.55
.17	Singapore No 1, cs	.40	.41	Ground, bbls, boxes	.11	.12	Kio Whole, bags	..	nom.
.26%	Dandelion Root, Imp., bags	.17%	.20	Powdered, boxes	.11	.12	Powdered 200 lb bbls bxs	..	nom.
.42	Deer Tongue Leaves bales	.15	.16	Ginger African bags	.14%	.15	Isinglass American, 130 lb cs	.75	.80
.58	Digitalis Leaves, bales	.25	.30	Jamaica, grinding bags bbls	.17%	.18%	Russian (Beluga) bxs. etc	4.00	4.50
.63	Dill Seed, bags	.08%	.09	Japan, bags	.20	.21	JABORANDI LEAVES, bales	.09	.10
.15	Cleaved bags	.15	nom.	Cochin, ABC & Lemon bgs	.17	.17%	Jalap Root, whole 150 lb bags	.25	.30
.10	Dogwood Bark, Jamaica bags	.10	.11	Ginseng Root, cultivated, bags	8.00	10.00	Powdered, USP, 250 lb bbls	.32	.38
.07	American, bales	.07	.08	Northwestern Wild, bags	12.00	14.00	Japan Wax, 224 lb cs	.17	.18
.17	Doggrass Root, USP, cut bags	.11%	.12%	Southern Wild, bags	8.60	10.00	Job's Tears, White, bags	.13	.18
.07	Dragons Blood, mass cases	.70	.75	Golden Seal Root bags	5.25	5.30	Juniper Berries, 125 lb bags	.06	.06%
.17	Reeds, boxes	.95	1.00	Powdered boxes	5.45	5.50	Sifted bags	..	.06
.40	ECHINACEA, Root, bags	.29	.30	Herb bbls	..	1.35	KAMALA USP, boxes	.92	.95
				Grains of Paradise, bags	.14	.15	Karaya Gum, powdered, bbls	.10	.25
				Grindella Robusta Herb, bales	.09	.09%			
				Guaic Gum., 80 lb cases powd. lb	.44	.45			

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Kauri Gum No. 1	D	.68	: .70	Marjoram Leaves, French, bales	D	.48	: .50	Opium, Powdered, USP, case....	D	13.00	: 14.00
Kava Kava Root bags	D	.16	: .17	Chilian, bales	D	.36	: .37	Orange Flowers, case	D	.25	: 1.25
Kino Gum, black cases	D	.50	: .55	Mastic Gum, 120 lb cans	D	.48	: .50	Peel, bitter, bags	D	.07	: .08
Kola Nut, 150 lb bags	D	.04%	: .05	Matico Leaves, bales	D	.45	: .48	Sweet bags	D	.11	: .11%
Koumo Flowers, bags	D	.50	: 1.25	Mezerion Bark, bags	D	.11	: .12	ERRIS ROOT, Florentine bold bags	D	.09	: .10
LADY SLIPPER ROOT, bags....	D	.45	: .50	Millet Seed, dom., yellow bags	D	.03%	: .04	Powdered 200 lb bbls..	D	.13	: .13
Larkspur Seed, bags	D	2.15	: 2.25	Montan Wax, crude bags	D	.06	: .07	Verona, bags	D	.09	: .10
Laurel Berries, bags	D	.08%	: .09	Bleached bags	D	.25	: .30	Powdered 200 lb bbls	D	.11	: .12
Leaves, Greek bags	D	...	: nom.	Moss, Iceland, bales	D	.08	: .08%	Fingers, cans	D	.60	: .65
Italian bales	D	.04%	: .05	Irish, bleached, bales	D	.12%	: .15	Ockerite Wax, brown hard bags	D	.24	: .25
American, bales	D	.25	: .35	Ordinary, bales	D	.08%	: .10	Green, hard bags	D	.30	: .31
Lavender Flowers, ordinary	D	.28	: .30	Mullein Flowers, tins	D	.85	: .90	Redwood, yellow, bags	D	...	: .87
Selected	D	.40	: .45	Musk, pods, carbadine, tins	os	16.00	: 17.00	PAPRIKA, bags	D	.21	: .25%
Leeches tubs	Per 100	3.00	: 3.25	Tonquin tins	os	22.00	: 25.00	Fareira Brava Root, bags	D	.11	: .13
Lemon Peel, bags	D	.07%	: .08	Grain Cab tins	os	25.00	: 26.00	Fareley Seed, bags	D	.16	: .17
Licorice Root, Russian whole bbls	D	.12	: .13	Tonquin tins	os	35.00	: 38.00	Patchouli, Leaves bales	D	.19	: .20
Spanish, natural bales	D	.05%	: .07	Synthetic, see Chemicals	D	.80	: .90	Pellitory Root, bales	D	.15	: .16
Powdered, bbls	D	.08%	: .10%	Musk Root, Russian bags	D	.12	: nom.	Penasyroyal	D	.08	: .09
Selected, 2 & 5 lb bundles	D	.06	: .07	Mustard Seed Bari brown bags	D	.07%	: .08	Pepper black, Sing. bags	D	...	: 40
Chinese 125 lb bags	D	.05	: .06	Bombay, brown bags	D	.10%	: .11%	White bags	D	.39	: .40
Turkish, 150 lb bales	D	.05	: .06	California, brown bags	D	...	: .11%	Aleppy, bags	D	.34	: .34%
Lime Juice, clarified bbls.....	gal	.60	: .65	Yellow bags	D	.05%	: .06%	Lempong bags	D	.34	: .34%
Linden Flowers with leaves, bales	D	.12%	: .15	Chinese, yellow bags	D	.12%	: .13%	Tellecherry, bags	D	.38	: .38%
Without Leaves, bales	D	.21	: .25	English, Yellow bags	D	.12	: .12%	Muntok, bags	D	.40	: .41
Lobelia Herb, bales	D	.37	: .40	Dutch, yellow bags	D	.08%	: .09	Red Chillies Japan No 1 bgs..	D	.17%	: .18
Seed, bags	D	.60	: .70	Danish, yellow bags	D	.24	: .25	Mombasa, bags	D	.10%	: .10%
Lorag Root, Imported bags	D	.13	: .25	Myrrh Gum, select, 200 lb cs	D	.30	: .34	Capeicum, Bombay, bags	D	.10%	: .10%
Lupulina, N. F. tins	D	1.75	: 1.80	Seria, cases	D	.17	: .18	Peppermint leaves, imp., bales	D	...	: .50
Bands, No. 1 cases	D	1.00	: 1.05	NUTGALLS, Chinese, bags	D	.20	: .25	Domestic	D	.24	: .40
Lycopodium, 88 lb cs	D	.90	: .95	Aleppy, bags	D	.21	: .22	Herb bbls	D	.18	: .20
MACE, Siam, No 1	D	1.00	: 1.02	Nutmegs, 110s cases	D	.52	: .53	Peru Balsam, see Balsams	D	...	: 18
Bands, No. 1, cases	D	1.08	: 1.10	75s, 80s, cases	D	.55	: .56	Pichi Leaves, bags	D	.16	: .18
Batavia, No. 3 cases	D	.87%	: .88	Grinding, bags	D	.51	: .52	Pimento Select, bags	D	.16%	: .17
West India, cases	D	.93	: .94	Nux-Vomica Buttons, bags	D	.05	: .06	Pink root, true bags	D	.60	: .68
Malva Flowers, blue bales	D	.40	: .45	Powdered, 200 lb bbls	D	.07%	: .10	Pitch, Burgundy, see Burgundy Pitch	D	...	: 12
Black, bales	D	.60	: nom.	OAK BARK, red bags	D	.04%	: .05%	Plantain Leaves, bales	D	.19	: .20
Manaca Root, bales	D	.16	: .30	White, bags	D	.08	: .07	Plauris Root, bags	D	.15	: .17
Manna, large flake cases	D	.60	: .82	Olibanum Gum, Sift 280 lb cases	D	.11	: .12	Poke Berries, bags	D	.09	: .10
Small flake cases	D	.45	: .48	Tears, 280 lb cases	D	...	: .25	Pomegranate Bark, of root bags	D	...	: 25
Sorts, cases	D	...	: .30	No. 1 all white 280 lb	D	.22	: .23	Of Fruit, bags	D	.23	: .25
Mandrake Root, bags	D	.12	: .14	No. 2 280 lb cases	D	.12	: .14	Of Tree	D	.60	: .65
Marjoram Leaves, German bales..	D	.48	: nom.	Opium, gum, USP, cases	D	12.00	: 13.00	Poppy Flowers, red bags	D	.42	: .45
African, bales	D	...	: ...	Granular, cans	D	13.00	: 14.00	Head	D	...	: 45

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Poppy Seed, Dutch bags12% .13%	Savory Leaves, bales09% .10	Spruce Gum, boxes	1.00 .1.50
German, bags . . . . .	.09% .10	Saw Palmetto Berries, bags . . . . .	.24 .25	Squaw Vine, bales . . . . .	.16% .19
Turkish, bags . . . . .	.08% .09%	Scammony Resin, boxes	1.35 .1.50	Squills, white . . . . .	.05 .05%
Blue Indian, bags . . . . .	.08 .09	Root bags . . . . .	.07% .08%	Powdered bulk . . . . .	.12 .15
White Indian bags . . . . .	.07% .08	Senega Root, bags . . . . .	.68 .70	Stavesacre Seed, bags . . . . .	.28 .30
Prickly Ash Bark, Southern, bags . . . . .	.13 .14	SENNA, Alex 150 lb cases . . . . .	.22 .23	Sticklac, 250 lb bales . . . . .	.30 .35
Northern bags . . . . .	.16 .18	Half Leaf, 150 lb cases . . . . .	.13 .15	Stilllingia Root, bags . . . . .	.10 .11
Berries bags . . . . .	.75 .80	Siftings, 400 lb bales . . . . .	.09 .11	Stone Root, bags . . . . .	.09 .10
Prince's Pine, bales . . . . .	.16 .17	Powdered, 200 lb bbls . . . . .	.13 .14	St. Ignatius Beans, bags . . . . .	.13 .14
Pulsatilla Herb, bags . . . . .	.11 .12	Tinnerelly, Bold, 350 lb bbls . . . . .	.12% .14	St. John's Bread bags . . . . .	. . . . .07%
Pumpkin Seed, bags . . . . .	.17 .19	Medium Leaf bbls . . . . .	.10 .11	Stramonium Leaves, bales . . . . .	.12 .15
QUASSIA CHIPS, bags . . . . .	.06% .07%	Small Leaf . . . . .	.08 .11	Seed bags . . . . .	.08 .09
Quebracho, bk., 125 lb bbls . . . . .	. . . . .55	Powdered, 200 lb bbls . . . . .	.10 .12	Strophanthus Seed, Hispidum . . . . .	. . . . .nom
Queen of the Meadow Herb . . . . .	. . . . .07%	Pods, 350 lb bales . . . . .	.13 .17	Kombe bags . . . . .	. . . . .nom
Root, bags . . . . .	. . . . .08%	Serpentaria Root, bags . . . . .	.80 .85	Styrax, liquid artif. . . . .	.35 .40
Quince Seed, bags . . . . .	.80 .85	Shellac, D. C. bags . . . . .	.73 .75	Gen. USP. . . . .	.45 .60
Cape bg. . . . .	.90 .95	V.S.O. bags . . . . .	.73 .75	Sunflower Seed, domestic bags . . . . .	.05% .06
RAPE SEED, South Amer. bags . . . . .	.06% .07	Diamond I. bags . . . . .	.73 .75	South American, bags . . . . .	.05 .05%
Dutch, bags . . . . .	.06% .06%	Superfine, Orange bags . . . . .	.53 .55	TAGALDER BARK, bags . . . . .	.05 .06
Japanese, small, bags . . . . .	. . . . .08	Fine, bgs. . . . .	.51 .52	Tamarinds, bbls . . . . .	.05% .06
Raspberries, dried bbls . . . . .	.56 .65	T.N. bags . . . . .	.50 .52	Kegs	3.75 3.80
Red Saunders, bags . . . . .	.08% .09	Garnet, A C . . . . .	.48 .50	Tansy Herb, bales . . . . .	.18 .19
Rhubarb, Root H. D. cases . . . . .	.35 .38	nuton bags . . . . .	.76 .78	Tar, Barbadoes, 50 gal bbls	1.40 1.45
Powd. bbls. . . . .	.42 .45	Bone Dry, bbls . . . . .	.56 .58	Thus Gum, 280 lb bbls . . . . .	.10% nom.
Rosemary Leaves, bales . . . . .	.07 .10	Sideritis Herb, cut bags . . . . .	.15 .18	Tilla, see Linden	
Flowers, cases bales . . . . .	.35 .40	Simaruba Bark, bales . . . . .	.08 .09	Thyme, Spanish bales . . . . .	.08% .09
Rose Petals, pale . . . . .	.27 .30	Skullcap Leaves, Eastern bales . . . . .	.42 .43	French, bales . . . . .	.09 .10
Red	1.75 2.25	Western bales . . . . .	.24 .26	Tolu Balsam, see Balsams	
Rue Herb, bales . . . . .	.18 .20	Skunk Cabbage Root, bales . . . . .	.13 .16	Tonga Bark, bags . . . . .	. . . . .nom
SABADILLA SEED, bags . . . . .	.21 .25	Snake Root, Canada, natural bags . . . . .	.29 .32	Root bbls . . . . .	. . . . .nom
Powdered bbls . . . . .	.26 .30	Stripped bags . . . . .	.65 .70	Vine bbls	1.25 1.30
Saffron Flowers, Amer Bales . . . . .	.45 .50	SOAP BARK, whole, 150-200 lb . . . . .	.10 .12	Tonka Beans, Angostura, cases	2.00 2.10
Valencia, 1 lb cans	28.50 32.00	bales . . . . .	.09% .09%	Para, cases . . . . .	. . . . .90
Sage, Dalmatian bales . . . . .	.05 .05%	Cut, 125-175 lb bags . . . . .	. . . . .11	Surinam, cases . . . . .	.85 .90
Greek, bales . . . . .	.02% .03%	Crushed 200 lb bbls . . . . .	. . . . .13	Tragacanth Gum, No. 1 ribbon	
Spanish, bales . . . . .	.03 .03%	Powdered, bgs bbls . . . . .	.25 .27	100 lb cs	1.65 1.70
Sandalwood, chips, bags . . . . .	.16 .19	Spearment Leaves, American bales . . . . .	. . . . .17	No. 2	1.35 1.55
Ground, bags . . . . .	.21 .27	Herb, bales . . . . .	.38 .42	Powdered, 50 lb boxes . . . . .	.90 1.00
Sandarc Gum, 300 lb bbls . . . . .	.36 .38	Spermaceti, blocks, cakes case . . . . .	.15 .17	Turkish, cases . . . . .	.45 .90
Sarsaparilla Root, Honduras, bales68 .70	Spikenard Root, bags			
Mexicannom.				
Sassafras Bark, ordinary bales15 .17				
Select, bales28 .29				

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Essential Oils

Turmeric Root, Madras bags lb	.08%	.09%
Aleppy bags08%	.09%
Powdered13	.14
China, bags .....	.09	.09%
Turpentine, Venice true 80 lb cs lb	.30	.35
Artificial, 80 lb cases .....	.16	.17
Spirits, see Naval Stores		
UNICORN ROOT, false, see Helonias		
True, see Aletris		
Uva Ursi Leaves, bales .....	.05	.05%
VALERIAN ROOT, Belgian bags lb	.25	.33
Vanilla Beans Mex., whole cases lb	7.00	9.00
Cuts, cases	5.00	6.50
Bourbon, cases	2.75	3.50
South American, cases	3.75	4.00
Tahiti, yellow label cases .. lb	2.65	2.75
Green Label, cases		
Vetiver Root, 100 lb bags .....	.25	.26
Violet Flowers, bags .....	.70	.72
Wahoo Bark, of root bags .....	.70	.72
Of Tree, bags .....	.30	.32
White Pine Bark, rossed, bags lb	.07	.07%
White Poplar Bark, bags .....	.06	.07
Wild Cherry Bark, thin green		
Rossed, bales .....	.12	.13
Thick Rossed, bales .....	.06%	.07
Thin Natural, bales .....	.08	.09
Thick Natural, bales .....	.10	.11
Willow bark, bags .....		.06
White, bags .....		.15
Witch Hazel Bark, bgs .....	.07%	.09
Leaves, bales .....	.08%	.09
Worm Seed, American bags .....	.08	.08%
Levant, bags	3.25	3.50
Wormwood Herb, Imported bales .. lb		.10
Yacca Gum, red .....	.04	.04%
Ground .....	.05%	.06%
Yellow Root (Zanthoxila) bgs .....	.16	.17
YELLOW DOCK ROOT, bags .....	.10	.12
Yellow Parilla Root, bags .....	.16	.17
Yerba Mate bags .....	.22	.30
Yerba santa, bags .....	.09%	.10
Zedoary Root, bags .....	.06	.08

Essential Oils

Almond, Bitter, USP, 5 lb bot .. lb	3.00	3.25
Bitter ff PA 5 lb bots	3.15	3.35
Sweet, 5 lb cans	1.00	1.10
Apricot, Kernel, 50 lb cans .....	.57	.58
Amber, crude 25 lb tins .....	.50	.55
Rectified, 25 lb tins .....	.75	.82
Angelica Root, 1 lb bot	25.00	30.00
Anise Tech., 60 lb case .....	.65	.68
USP, 60 lb cans .....	.68	.72
Bay, 25 lb tins	2.15	2.25
Terpeneless	6.00	6.50
Bergamot, 25 lb coppers	5.40	5.75
Terpeneless	10.00	14.00
Artificial, 25 lb cans	2.00	2.20
Birch Tar, rect., 5 lb bot .....	.50	.60
Crude, 50 lb tins .....	.20	.25
Bols de Rose, tins	3.25	3.50
Cade, 25 lb cans .....	.26	.27
Cajuput native 50 lb tins .....	.70	.75
Calamus, 5 lb bot	3.75	4.00
Campor, Sassy 1000 lb drs .....		.14%
White 1000 lb drs .....	.11%	.12
Cans, 50 lbs .....	.14	.14%
Cananga, native, 25 tins	2.60	2.75
Rectified, 25 lb tins	3.25	3.40
Caraway, USP,	1.60	1.70
Cardamom, USP, 1 lb bot	40.00	45.00
Carrol, 5 lb bot	8.75	9.75
Cascarilla, USP, 1 lb bot	50.00	52.00
CASSIA, 80-85% 400 lb drs	2.60	2.75
Redistilled USP, 50 lb cans .. lb	3.15	3.25
Cedar Leaf, 50 lb tins .....	.80	.90
Cedar Wood, light 1,000 lb drs lb	.52	.55
Celery, 1 lb bot	9.50	10.00
Chaulmoogra, 80 lb cases .....	.85	.90
Cinnamon Ceylon, 1 lb bot	10.50	11.00
Leaf, 5 lb bot	1.40	1.50

CITRONELLA, Ceylon

1,000 lb drums .. lb	.48	.49
50 lb tins .....	.49	.50
Java, 400 lb drums .....	.97	.90
50 lb tins .....	.90	1.00
Cloves, USP, 50 lb cans	1.85	1.90
6 lb bot	1.90	1.95
Copaiba .....	.40	.45
Coriander, USP, 1 lb bot	8.50	9.00
Croton, USP, 25 lb tins .....	.90	1.00
Cubeb, USP, 5 lb bot	4.25	4.50
Cumin, 1 lb bot	10.50	11.00
Dill, 25 lb cans	3.75	4.00
Erigeron 20 lb tins	6.50	7.00
EUCALYPTUS, Austl. USP,		
50 lb cs .....	.55	.56
500 lb drums .....	.55	.60
Fennel, USP, 25 lb tins .....	.80	.85
Geranium, African 25 lb cans .. lb	4.50	4.75
Bourbon, 25 lb tins	3.65	3.75
Turkish, 25 lb tins	3.25	3.50
Ginger, 1 lb bot	9.75	10.00
Gingergrass, 25 lb tins	2.50	2.75
Hemlock, 25 lb tins .....	.85	.87
Juniper Berries, USP, 25 lb tins lb	2.25	2.45
Wood, 50 lb tins .....	.50	.60
Lavender USP, 25 lb tins	5.00	5.25
Spike, Spanish, 50 lb cans lb	1.10	1.50
LEMON, Ital USP, 25 lb cans lb	2.15	2.35
Terpeneless	8.00	10.00
American, USP, 25 cans lb	1.90	2.00
Lemongrass, native 50 lb cans lb	1.10	1.20
Limes, expressed 25 lb tins	6.50	7.00
Distilled, 25 lb tins	2.45	2.75
Linaloe Mex., 80 lb cases	3.25	3.50
Mace, distilled, 50 lb tins	1.80	1.85
Mirbane, ref., Aromatic Chemicals		
Mustard, USP, 1 lb bot	14.00	14.25
Artif., USP, 5 lb bot	2.10	2.25
Neroli, Bigarade 1/2 & 1 lb bot lb	75.00	100.00
Petale, 1 lb bot	100.00	125.00
Artificial, 1 lb bot	10.00	20.00

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Nutmeg, USP, 25 lb tins lb	1.80	: 1.85	Vetiver, Bourbon, 1 lb bot lb	17.00	: 18.00	Linalool, 5 lb bot lb	6.00	: 6.25
Orange, bitter, 25 lb tins lb	2.65	: 2.75	Indian, 1 lb bot lb	30.00	: 40.00	From Bois de Rose, 5 lb bot lb	7.00	: 7.25
Sweet W Ind., 25 lb tins lb	2.65	: 2.85	Java, 1 lb bot lb	20.00	: 22.00	MENTHOL, 60 lb cases lb	6.75	: 7.00
Italian 25 lb cop lb	2.95	: 3.25	Wine, heavy, 1 lb bot lb	...	: 1.50	less cases, 5 lb cans lb	7.00	: 7.25
American, 25 lb tins lb	2.80	: 2.90	WINTERGREEN			Rhodinol, 1 lb bot lb	16.00	: 20.00
Distilled, 25 lb tins lb	1.70	: 1.75	Sweet bch., 25 lb tins lb	3.00	: 4.50	Extra, 1 lb bot lb	35.00	: 42.00
Spanish 25 lb tins lb	...	: 2.95	Southern, 25 lb tins lb	1.85	: 2.00	SAFFROL, drums lb	...	: .31
Origanum, 50 lb cans tech. lb	.25	: .28	Gaultheria, true 25 lb tins .. lb	7.00	: 8.00	60 lb cans lb	...	: .33
Parley, 1 lb bot lb	3.50	: 3.60	Southern, 25 lb tins lb	3.75	: 4.00	Thymol, USP, 25 lb tins lb	4.25	: 4.50
Patchouli, 5 lb bot lb	...	: 5.25	Synthetic, see Methyl Salicylate			SYNTHETIC AROMATICS		
Pennyroyal, dom., 25 lb tins lb	2.50	: 2.75	Wormseed, Balt. USP, 25 lb tins lb	6.25	: 6.50	Acetophenone, CP, 1 lb bot lb	3.50	: 3.75
Imported, 25 lb tins lb	2.40	: 2.50	Wormwood, dom., 25 lb tins lb	7.25	: 7.50	Aldehyde, C-8 (Octyl) 1 lb bot lb	45.00	: 60.00
PEPPERMINT nat 60 lb case .. lb	27.00	: 28.00	Ylang Ylang Bourbon 10 lb tins			C-9 (Nonyl), 1 lb bot lb	70.00	: 75.00
Redis., USP, 60 lb cases lb	28.00	: 29.00	No 1 lb	8.00	: 9.00	C-10 (Decyl) 1 lb bot lb	50.00	: 58.00
Petit Grain, S.A. 25 lb tins lb	2.25	: 2.30	No 2 lb	6.00	: 7.00	C-12 (Dodecyl), 1 lb bot lb	27.50	: 32.50
French, 1 lb bot lb	6.50	: 7.00	Manila, 1 lb bot lb	35.00	: 40.00	C-14, 1 lb bot lb	22.50	: 25.00
Italian 25 lb tins lb	2.20	: 2.30	OLEORESINS			C-16, 1 lb bot lb	70.00	: 80.00
Pimento, 25 lb tins lb	5.50	: 5.75	Aspidium, USP, 1 lb bot lb	2.00	: 2.25	Anethole, see Anisic Aldehyde		
Pinus Sylvestris 25 lb tins lb	1.40	: 1.75	Capiscum, USP, 1 lb bot lb	2.00	: 2.25	Amyl Acetate, pure 5 gal cans gal	4.75	: 5.50
Fumilio, USP, 25 lb tins lb	2.25	: 2.50	Cubeb, USP, 1 lb bot lb	3.50	: 3.75	Butyrate, 1 lb bot lb	1.90	: 2.00
Rose, Fr., 8, 16, & 32 oz pkgs oz	9.00	: 9.50	Ginger, 5 lb bot lb	3.50	: 3.75	Cinnamate, 1 lb bot lb	4.00	: 4.50
Bulg., 8, 16, & 23 oz pkgs oz	10.00	: 11.00	Malefern, See Aspidium			Formate, 1 lb bot lb	1.75	: 2.00
Artificial, 1 lb bot oz	2.00	: 2.75	Orris, 1 lb bot lb	15.00	: 18.00	Phenyl Acetate, 1 lb bot lb	4.50	: 5.00
Rosemary, USP, 27 1/4 lb tins .. lb	.47 1/4	: .52 1/4	Pepper black USP, 1 lb bot lb	3.50	: 3.75	SALICYLATE, dom. 100 lb		
1000 drums lb	.45	: .47	Vanilla, 1 lb bot lb	12.50	: 16.50	chys lb	1.45	: 1.50
Tech., 27 1/4 lb tins lb	.37 1/4	: .38	Aromatic Chemicals			Imported lb	2.25	: 2.50
Rue, 1 lb bot lb	...	: 4.00	NATURAL DERIVATIVES			Valerate, 5 lb bot lb	2.75	: 3.00
Sandalwood E Ind USP, 75 lb			Anethol, 2 lb bot lb	1.00	: 1.25	Anisic Aldehyde 1 lb bot lb	3.25	: 3.50
Cases lb	7.15	: 7.25	Borneol, 1 lb bot lb	2.50	: 2.60	BENZALDEHYDE, USP, 40 lb chys lb	1.15	: 1.25
W. Indian (Amayris) 25 lb tins lb	1.85	: 2.00	CITRAL, 25 lb cans lb	2.75	: 3.00	FFC, 40 lb chys lb	1.30	: 1.40
Sassafras, USP, 50 lb cans lb	.80	: .90	Citronellal 1 lb bot lb	2.50	: 3.00	Imported, USP, lb	1.10	: 1.25
Artificial, 1000 lb drs., 60-lb cans lb	.27	: .29	EUCALYPTOL, USP, 50 lb cans lb	.90	: .95	Benzole Ether, See Ethyl Benzoate		
Savin, 50 lb tins lb	2.00	: 2.15	Eugenol, USP, 25 lb cans lb	2.75	: 3.00	Benzophenone 1 lb bot lb	4.50	: 5.00
Spearmint, USP, 50 lb tins lb	12.00	: 13.00	Geraniol, Domestic, 50 lb cans lb	2.50	: 3.00	Benzyl Acetate 100 lb chys lb	1.30	: 1.40
Spruce, 50 lb tins lb	.85	: .87	Imported, 5 lb bot lb	2.75	: 3.25	Alcohol, 5 lb bot lb	1.40	: 1.50
Tansy, Amer., 20 lb tins lb	6.50	: 7.00	Iso-Eugenol, 1 lb bot lb	3.75	: 3.90	BENZOATE 5 lb bot lb	1.25	: 1.35
Tar, 50 gal bbls gal	.25	: .30	Imported lb	3.75	: 3.90	Medicinal FFC lb	1.45	: 1.60
USP, 25 lb tins lb						Butyrate, C.P. 1 lb bot lb	6.00	: 6.50
Thyme, red, USP, 25 lb tins .. lb	.80	: .85				Cinnamate 1 lb bot lb	9.75	: 10.00
White, USP, 25 lb tins lb	.95	: 1.00				Formate, 1 lb bot lb	3.00	: 3.25
Tech., 110 lb drums lb	.65	: .70						

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Benzyl Alcohol

Benzyl Acetate

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Aromatic Chemicals

6.25	Benzyl Propionate, 1 lb bot	5.00	5.25
7.25	Bornyl Acetate, 1 lb bot	3.25	3.50
7.00	Bromstyrol, 25 lb cases	3.75	4.25
7.25	Butyl Anthranilate 1 lb bot dom		16.00
20.00	Butyric Ether, See Ethyl Butyrate		
42.00	Cinnamic Acid, 5 lb cans	2.90	3.25
.31	Alcohol, liquid, 1 lb bot	6.00	7.00
.33	Crystallizable	7.00	8.00
4.50	Aldehyde	3.00	3.25
	CITRONELLA, 1 lb bot	7.50	9.00
3.75	Imported, 1 lb bot	7.75	9.00
60.00	Citronalyl Acetate, 1 lb bot	13.00	14.00
75.00	COUMARIN, 25 lb cans	3.10	3.25
25.00	DIETHYL PHTHALATE, See Chemicals		
58.00	Diphenyl oxide, 25 lb tins	.85	.90
32.50	Ethyl Acetate, pure, 5 lb bot	.45	.50
80.00	Benzoate, 5 lb bot	1.75	1.90
	Butyrate, 5 lb bot	1.90	2.10
5.50	Caproate, 1 lb bot	3.25	3.50
2.00	Cinnamate, 1 lb bot	3.50	3.75
4.50	Formate, 5 lb bot	.90	1.25
2.00	Ethyl-methyl Paracresol, 1 lb bot	3.25	3.50
5.00	Ethyl Phenylacetate, 5 lb bot	3.75	4.00
	Propionate, 1 lb bot	1.75	2.00
1.50	Valerate, 5 lb bot		3.75
2.50	Salicylate, 5 lb bot	2.00	2.10
3.00	Formic Ether, See Ethyl Formate		
3.50	Geranyl Acetate, 1 lb bot	4.50	5.00
1.25	Butyrate, 1 lb bot	13.00	13.50
1.40	Formate, 1 lb bot	12.00	12.50
1.25	Hellotropin, dom., 100-10 lbs	1.65	1.75
	Imported	2.00	2.25
5.00	Hydroxycitronellal, 1 lb bot	12.00	14.00
1.40	Indol, CP, 1 oz bot	6.00	6.50
1.50	Iosone, 1 lb bot 100%	10.00	11.00
1.35	Alpha	14.50	16.00
1.60	Beta	12.75	14.50
6.50	Methyl	16.00	18.00
10.00	Iso-Butyl Benzoate 5 lb bot	4.75	5.00

Iso-Safrol 1 lb bot imp	D	3.75	4.00
Domestic 5 lb bot	D	3.50	3.75
Linyl Acetate, 1 lb bot	D	8.00	9.50
Benzoate, 1 lb bot	D	13.00	14.00
Formate, 5 lb bot	D	10.50	12.00
Methyl Acetophenone	D	3.75	4.00
ANTHRANILATE dom., 1 lb bot	D	2.50	3.25
Imported	D	2.50	3.00
Benzoate, 5 lb bot import	D	1.90	2.00
Domestic, 5 lb bot	D	1.75	2.00
Cinnamate, 1 lb bot	D	3.75	4.25
Heptenone, 1 lb bot	D	8.00	8.50
Paracresol, 1 lb bot	D	8.00	9.00
Phenylacetate 5 lb bot dom	D	3.75	4.00
SALICYLATE, USP, 500 lb drums	D		.43
50 lb cases	D		.45
Second Hands	D	.42	.43
Mirbane, rect., 1000 lb drums	D	.10	.12
Musk Ambrette, 1 lb cans	D	10.00	10.50
Ketone, 1 lb cans	D	11.50	12.00
Xylene 5 lb cans	D	3.25	3.50
Nerolin, 1 lb cans	D	1.50	1.60
Oenanthe Ether, 1 lb bot	D	1.75	2.00
Para-Cymene, Refd., 110 gal drs gal	D	2.25	2.50
Phenylacetaldehyde, Dom., 1 lb. bot 50 pe	D	8.00	8.50
Imported, 50 p.c.	D	7.00	7.50
80-85 p.c.	D	14.00	16.00
Phenylacetic Acid, 1 lb bot	D	3.00	3.25
Phenyl Diacetate, 1 oz bot	oz	3.25	3.50
1 lb bot	D	8.00	10.00
Imported	D	7.00	7.75
Phenylethyl Alcohol, 1 lb bot	D	6.00	7.00
Phenylethyl Butyrate 1 lb bot	D	26.00	28.00
Formate, 1 lb bot	D	19.00	21.00
Propionate, 1 lb bot	D	20.00	24.00
Valerate 1 lb bot	D	25.00	29.00
Phenylpropylalcohol, 1 lb bot	D	15.00	16.00
Skatol, 1 oz bot	oz	7.00	7.25
Terpinyl Acetate 25 lb cans	D	1.25	1.35
Imported, 25 lb cans	D	1.25	1.35

TERPINEOL, CP, 1000 lb drs	D	.29	.31
Cans, 50 lb	D	.34	.35
Absolute, 25 lb cans	D	.50	.60
Imported, 25 lb cans	D	.36	.38
VANILLIN, USP, 500 oz cans	oz		.49
Cans, 18 oz., 50 oz	oz	.50	.51
Second Hands	oz	.45	.48
Valerianic Ether, See Ethyl Valerate			
Yara Yara, 1 lb cans	D	1.50	1.60
PERFUMERS' SUNDRIES			
Almond Meal, 25 lb cans	D	.24	.25
Amber, liquid 400 lb drs	D	2.20	2.30
Ambergris, black bxs	oz	8.00	10.00
Ambergris, gray bxs	oz		26.00
Balsam Copaiba, Para, 80 lb cases	D	.42	.45
South American, 80 lb cases	D	.44	.47
Peru, 120 lb cases	D	1.75	1.80
Tolu, 90 lb cases	D	1.40	1.50
Benzoin Gum, Siam, bxs	D	1.30	1.40
Castoreum, 1 lb bot	D	3.75	4.00
Chalk, precip., light, 175 lb bbis	D	.04 1/2	.05
Cherry Laurel Water, 5 gal cans gal	D	1.15	1.25
Civet Abyssin horns	D	2.10	2.25
Labdanum, 5 lb bot	D	7.50	8.00
Lanolin hydrous, 350 lb bbis	D	.15	.21
Anhydrous, 350 lb bbis	D	.18	.23
Musk pods, Cabardine, tins	oz	16.00	17.00
Tonquin, tins	oz	22.00	25.00
Grains, Cabardine, tins	oz	25.00	26.00
Tonquin, tins	oz	34.00	35.00
Synthetic, See Aromatic Chemicals			
Orris Rt., Flor., powd bbis	D	.12	.13
Verona, powd. bbis	D	.10	.11
Petrolatum, snow white 350 lb bbis	D	.12 1/2	.13
Light Amber, 350 lb bbis	D	.04 1/2	.04 3/4
Rice Starch, 140 lb bgs	D	.09	.10
Rose Water, 6 2-3 gal cys	gal	1.00	1.25
Sandalwood chips powd., bags	D	.45	.55
Saponin, 5 lb tins	D	1.15	1.30
Talc., Italian 220 lb bgs	ton	60.00	80.00
French 220 lb bags	ton	40.00	45.00
Domestic ref., 100 lb bags	ton	14.00	15.00

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Imports at New York, Jan. 1 to Jan. 8, 1926

ACIDS—Cresylic, 56 drs., Lehn & Fink, Liverpool; 11 drs., Order, Liverpool; Nucleinic, 2 cases, Order, London
ALCOHOL—Methyl, 75 drs., Kuttroff Pickhardt & Co., Rotterdam; 160 drs., Kuttroff Pickhardt & Co., Rotterdam; 225 drs., G W Sheldon & Co., Rotterdam
ALUMINA COMPOUND—20 cks., Interstate Chem Co., Rotterdam
AMMONIUM—Carbonate, 5 cs., Brown Bros & Co., Liverpool; 10 cks., J Turner & Co., Liverpool; Muriate, 200 cks., Kuttroff Pickhardt & Co., Rotterdam
AMMONIUM SULFO CYANIDE—14 cks., Davies Turner & Co., Liverpool
ANTIMONY—107 cs., Watson Geach & Co., Liverpool; 2% cs., Watson Geach & Co., London; 100 cs., Order, London; Regulus, 30 cs., Order, London
BALSAM—Tolu, 12 cs., Rumie Bros., Puerto Colombia
BARKS—258 bgs., A Stein & Co., Monte Cristi; Cascarilla, 112 bls., Andean Trdg Co., Puerto Colombia
BARYTES—200 brls., 500 bgs., Order, Genoa
BLANC FIXE—120 brls., C F Gerlach, Hamburg
BAY RUM—20 brls., Hudson Tea Co., San Juan; 5 cks., Brown Distilling Co., San Juan
CHALK—80 bgs., Hammill & Gillespie, Liverpool; 150 bgs., Chem Nat Bank, Hamburg; 850 bgs., H J Baker & Bro., Bristol; 350 pgs., H J Baker & Bro., Bristol
CHEMICALS—20 cks., F Rudloff, Rotterdam; 80 balloons, Roessler & Hasslacher Chem Co., Rotterdam; 225 bgs., Meteor Products Co., Rotterdam; Products, 1 csc., F B Vandegrift & Co., Southampton
CHROME GREEN OXIDE—12 cks., Reichard Coulsen, Rotterdam

CLAY—190 tons, Moore & Munger, Bristol; 501 bgs., United Clay Mines Corp., Bristol
COAL TAR DISTILLATE—18 drs., Monsanto Chem Works, Liverpool; 65 drs., Order, Liverpool
COBALT OXIDE—8 cks., Perry Ryer & Co., Liverpool
COCHINEAL—25 bgs., Order, Liverpool
COLORS—2 cks., Carbic Color & Chem Co., Havre; 52 cans, Ciba Co., Havre; 3 cks., Guaranty Trust Co., Havre; 29 pgs., Sandoz Chem Works, Havre; 1 drum, Pacific Nat Bank, Liverpool; 11 kegs, Intern Trust Co., Liverpool; Bronze Powder, 9 cs., Phoenix Shpg Co., Hamburg; Earth, 195 cks., C J Osborn & Co., Rotterdam
COPPER OXIDE—5 cks., Order, London
DRAGONS BLOOD—8 cs., Order, Bombay
DRUGS—10 cs., Order, London
EARTH—10 cks., Order, Lehigh; 20 brls., F B Vandegrift & Co., Lehigh; 1,000 bgs., A Lusskin & Co., Lehigh; 50 brls., R J Waddell & Co., Lehigh; Red, 320 bgs., 50 brls., G Z Collins & Co., Bristol; 33 cks., 19 cs., Order, Bristol
ERGOT—22 bgs., Order, Barcelona
EXTRACTS—Archil Liquor, 10 cks., A De Ronde & Co., London; Logwood, 12 brls., T S Todd & Co., Monte Cristi; Quebracho, 6,001 bgs., Intern Products Co., Buenos Aires
FERRO SILICO MANGANESE—87 brls., Order, Genoa
FLOWERS—Linden, 1 csc., J Chanian, Constantinople
GELATIN—13 cs., D Hill, Havre; 3 cs., W E Miller, Havre
GLUE—Bone, 1,300 bgs., Order, Rotterdam
GLUESTOCK—111 brls., Milligan & Higgins Glue Co., Liverpool

GLYCERIN—340 drs., Order, London; 80 cks., Order, Marseilles; 20 cks., Core & Herbert, Marseilles
GUMS—233 bgs., Order, Marseilles; 4 bgs., 206 cs., Order, Bombay; Animi, 10 cs., S Winterbourne & Co., London; Arabic, 46 bgs., Order, Bombay; Asafoetida, 23 cs., Order, Bombay; 10 bgs., 27 cs., Order, London; Chicle, 374 bgs., Chicle Development Co., Vera Cruz; Ghatti, 115 bgs., Order, Bombay; Karsya, 533 bgs., Order, Bombay; Oilbanum, 90 cs., Order, Bombay; Myrra, 4 bgs., Order, Aden; Shiraz, 100 bgs., Order, Bombay; Tragacanth, 40 cs., Order, Southampton; 5 cs., Lo Curto & Funk, London
HERBS, 21 bls., J Wertheimer & Son, Hamburg; 21 bls., Asia Drug Co., Hamburg; 10 cs., Italian Amer Shpg Corp., Naples; 10 cs., 100 bls., Columbo Co., Leghorn
IRON OXIDE—25 cks., J A McNulty, Liverpool; 43 cks., Reichard Coulsen, Liverpool; 18 cks., J A McNulty, Liverpool; 19 cks., 10 kegs, J H Rhodes & Co., Liverpool; 11 cs., C B Richard & Co., Liverpool; 18 cks., J A McNulty, Liverpool; 34 cks., Order, Bristol
JUICE—Lime 4 hds., Middleton & Company, Demerara; 122 cks., Pacific South West Trust & Savings Bank, Dominica; 69 hds., Brown Bros & Co., Dominica; 24 cks., Perry Ryer & Co., Dominica
LEAVES—30 bls., R F Downing & Co., Marseilles; 141 brls., Order, Marseilles
LICORICE—Cuttings, 60 bgs., Order, Marseilles
LYCOPODIUM—20 cs., N Solow, London
MAGNESIUM—Calcined, 10 cks., Lo Curto & Funk, Hull; 25 cs., Order, Hull; Carbonate, 30 cs., Lo Curto & Funk, Hull; 20 cs., Bertolaia & Goldert, Genoa

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MERCURY—2 cs., Poirier Lindemann & Co., Southampton

MYROBALANS—7175 pkts., Order, Calcutta;

1,150 bgs., Order, Bombay

NEKAL DRY—10 cks., Kuttroff Pickhardt & Co., Rotterdam

NUX VOMICA—454 hgs., Volkart Bros., Coconada

OCHRE—68 cks., H J Kehoe, Marseilles

OILS—Cod, 200 brls., Order, Liverpool; 100 cks., 4 puns, 1 brl., Badcock & Co., St. Johns; Codliver, 300 brls., Nat Oil Products Co., Oslo; 110 brls., E R Squibb & Sons, St. Johns; 12 brls., Mead Johnson & Co., St. Johns; Olive Oil, 250 brls., Nat Bank of Greece, Mitylene; 270 cs., G W Sheldon & Co., Lehigh, 100 cs., F Altomare, Naples; 600 cs., J P Smith & Co., Marseilles; 150 cs., J Garneau & Co., Marseilles; 200 cs., Latorra Bros., Lehigh; 335 cs., Bragno & Mustari, Lehigh; 186 cs., Order, Lehigh; 100 brls., Italia America, Genoa; 100 cs., Vincenzo De Bianzi, Genoa; Olive Oil

FOOTS, 400 brls., Lehigh Trdg Co., Malaga; Palm, 107 cks., African & Eastern Trdg Co., Liverpool; 13 cks., Brown Bros & Co., Liverpool; Kernel, 220 cks., Order, Liverpool; 400 cs., Order, London; 59 cs., Order, Rotterdam

OILS—Essential, 6 cs., P Lemoine & Co., Havre; 2 cs., Rourei Bertrand Fils, Havre; 3 cs., Orbis Products Trdg Co., Havre; 2 cs., P R Dreyer, Havre; 40 cs., W J Bush & Co., London; 2 brls., Intern Gen Elec Co., London; 9 drs., Anglo So Amer Trust Co., Alicante; 1 drum, Order, Alicante; 4 cs., Order, Valencia; Bay, 3 cs., Gillespie & Co., Dominica; 9 cs., Planters Produce Co., Dominica; Bergamot, 28 cs., Dodge & Olcott, Messina; Cinnamon, 5 drs., Chem Nat Bank, Rotterdam; 4 drs., 2 kegs, Chem Nat Bank, Marseilles; Citronella, 14 drs., Order, Colombo; Lemon, 50 cs., G Lueders & Co., Messina; Lemon grass, 1 drum, Order, Bombay; Lime, 9 cs., Dodge & Olcott, Dominica; 21 cs., Order, Dominica; Opopanax, 1 cse., Morana Inc., London; Orange, 50 cs., W J Bush & Co., Messina; 50 cs., J B Horner & Co., Messina; 50 cs., G Lueders & Co., Messina; 100 cs., Dodge & Olcott, Messina; Palmrosa, 8 pots, Order, Bombay

PHARMACEUTICAL PRODUCTS—7 cases, G J Wallau, Havre; 78 pgs., E Fougere & Company, Havre; 23 cs., Fraisse Laboratory, Havre

POTASSIUM SALTS—Caustic, 50 drs., Super fos Co., Hamburg; Nitrate, 1,016 bgs., Kuttroff Pickhardt & Co., Rotterdam; Prussiate, 18 kegs, C Tennant Sons, Ltd., Liverpool

QUICKSILVER—150 bottles, H W Peabody & Co., Alicante

QUININE PRODUCTS—2 cs., Order, Havre

ROOTS—16 bls., Nickells Rowland Co., Hamburg; 20 bgs., W Benkert & Co., Hamburg; Arrow, 14 cs., J P Smith & Co., London; 7 brls., T Scott & Co., Trinidad; Ipecac, 5 bgs., Ultramarines Corp., Cartagena; 7 bls., Colombia Amer Corp., Cartagena; 2 cases, Fidanque Bros & Sons, Panama; 3 bags, Hollingshurst & Co., Panama; Orris, 20 bgs., Order, Lehigh; Sarsaparilla, 26 bbls., McLaughlin Gormley & King, London

ROSIN—26 brls., Dom Naval Stores Corp., Monte Cristi

SAFFRON—1 cse., Brown Bros & Co., Alicante; 2 cs., Order, Barcelona

SAL AMMONIAC—20 cs., P Bauer Co., Rotterdam; 10 cks., 20 brls., C De P Field Co., Bristol

SALT—560 sks., W A Hazard & Co., Liverpool; 840 sks., 75 tons, W A Hazard & Co., Liverpool

SANDALWOOD BILLETS—48 bbls., 948 bgs., Order, Bombay

SAPONIN DEPURATION—5 cs., Pfaltz & Bauer, Hamburg

SEED—Anise, 25 bgs., McLaughlin Gormley & King, Malaga; Castor, 4,115 bgs., Bank of N Y & Trust Co., Santos; 2,000 bgs., Seaboard Nat Bank, Santos; 2,750 bgs., F Matrazzo, Santos; 3,388 bgs., Bank of N Y & Trust Co., Pernambuco; 15,550 bgs., Order, Bombay; 13,660 bgs., Volkart Bros., Coconada; 1,358 bgs., Order, Coconada; Flax, 8,580 bgs., L Dreyfus & Co., Buenos Aires; 7,894 bgs., Order, Buenos Aires; 46,415 bgs., 375,000 kilos, Order, Buenos Aires; 4,706 bgs., 1,500,661 kilos, Order, Rosario; Mustard, 300 sks., R F Downing & Co., London; 250 bgs., Order, London; 572 bgs., Amtorg Trdg Corp., Copenhagen

SHELLAC—400 bgs., British Overseas Bank, Calcutta; 300 bgs., Anglo So Amer Trust Co., Calcutta; 200 bgs., Nat City Bank, Calcutta; 100 bgs., Standard Bank of So Africa, Calcutta; 350 bgs., 100 chests, Order, Calcutta; Seedlac, 253 bgs., Order, Calcutta

SOAP—300 cs., Order, Mitylene

SODIUM SALTS—Fluosilicate, 200 cks., H Sundheimer, Rotterdam; Nitrate, 154 bgs., R W Greeff & Co., Oslo; 32,731 bgs., W R Grace & Co., Antofagasta; Nitrite, 125 cks., Kuttroff Pickhardt & Co., Rotterdam; Sillico Fluoride, 163 brls., H Sundheimer, Copenhagen; Sulfate, 3 cks., Davies Turner & Co., Liverpool; Sulfite, 30 cks., Order, Bristol

SPICES—Ginger, 11 brls., W A Domingo, San Juan; Mace, 7 bgs., E L Prior & Co., Grenada; 1 cse., B H Old & Co., Grenada; 7 brls., Frank Tea & Spice Co., Grenada; Nutmegs, 50 bgs., Gillespie & Co., Grenada; 50 bgs., T Scott & Co., Grenada; 50 bgs., C E. Armstrong, Grenada; Paprika, 100 bgs., R Moellhausen, Cartagena, 200 bgs., 130 cs., Brown Bros & Co., Cartagena; 300 bgs., Intercean Fedg Co., Alicante; 50 bgs., Archibald & Lewis, Alicante; 50 bgs., Lange Kidde & Co., Alicante; 100 bgs., N Y Trust Co., Alicante; 200 bgs., 200 cs., G W Sheldon & Co., Alicante; 75 bgs., Archibald & Lewis, Alicante; 100 bgs., Brown Bros & Co., Alicante; 100 bgs., 125 cs., Order, Alicante; 750 cs., Nordlinger Vierhaus & Co., Valencia; 250 cs., F MacMonnies, Valencia; 355 cs., M de Bruyn Impit Co., Valencia; 300 cs., Da Costa Co., Valencia; 70 cs., Neuman Schwierts Co., Valencia; 2,330 cs., Order, Valencia; Pepper Black, 100 bgs., Lang Kidde & Co., Hamburg; Pimento, 41 bgs., Atlantic Navigation Corp., Santiago

SPONGES—11 bgs., A Stratigas Piraeus; 20 bls., J H Rhodes & Co., Nassau; 20 bls., H Koerner & Co., Nassau; 11 bls., Gulf & West Indies Co., Nassau; 21 bls., Cunard S S Co., Nassau; 64 bls., J H Rhodes & Co., Havana; 116 bls., Lasker & Bernstein, Havana; 5 bls., Bernard Judae & Co., Havana; 50 bls., J H Rhodes & Co., Havana; 103 bls., Nat Sponge & Chamois Company, Havana; 31 bbs., Amer Sponge & Chamois Co., Havana; 17 pgs., Order, Nassau; Refuse, 11 bbs., Amer Sponge & Chamois Co., Havana

TALC—250 bgs., National City Bank, Genoa

TARTAR—231 bgs., Harshaw Fuller & Goodwin, Marseilles; 147 bgs., H J Kehoe, Marseilles; Cream, 5 cks., C Winfield, Lehigh

TURPENTINE—6 drs., Dom Naval Stores Corp., Monte Cristi

UMBER—Powdered Terra, 150 brls., R W Greeff & Co., Famagusta

THIOUREA CARBONIDE—2 kegs, Order, Liverpool

VANILLA BEANS—21 cs., G Lueders & Co., Havre; 9 cs., G Lueders & Co., Havre; 11 cs., Order, Marseilles

WAX—22 cs., N Solow, Copenhagen; 12 bgs., Selma Mere Corp., Azua; 4 bgs., J J Julia & Co., Azua; 5 bgs., Yglesias & Co., Azua; 5 seroons, W Schall & Co., Puerto Plata; Bees, 46 bbs., Bank of America, Rio de Janeiro; 5 seroons, J J Julia & Co., Monte Cristi; 7 bbs., G Preston, San Juan; 69 bgs., Order, Marseilles; Carnauba, 1,382 bgs., Nat City Bank, Parahyba; 66 bgs., Order, Ceara; 135 bgs., Lazard Freres, Ceara; 292 bgs., Order, Ceara; Paraffin, 800 bgs., Order, Liverpool

WOODFLOU—656 bgs., Bakelite Corp., Rotterdam

ZINC—Chromate, 4 cs., J A McNulty, Liverpool; Sulfide, 4 cks., C A Sykes, London; Yellow, 1 ck., Devoc & Reynolds, London

IMPORTS AT PHILADELPHIA

Jan. 1 to 6

ACID—Formic, 80 cartons, Hoons, Wilson Co., Co., Hamburg; 147 cartons, Kali Mfg Co., Hamburg; 147 cartons, Kali Mfg Co., Hamburg; Cresylic, 73 drums, Order, Manchester

AMMONIA—Bifluoride, 40 bbls., Order, Hamburg; Carbonate, 13 casks, Harshaw, Fuller & Goodwin Co., Manchester

BAUXITE—2,290 tons, Order, Georgetown

BONEMEAL—2 bags, John E Husby, Santos

CASEIN—417 bags, Nat City Bank, Buenos Aires

CHEMICALS—16 casks, Order, Hamburg; 26 bbls., Order, Hamburg; 100 kegs, Order, Hamburg; 12 drums, Order, Hamburg; 165 drums, Order, London

CHINA CLAY—6,013 tons, 4 cwt., bulk, Order, Fowey; 14 tons, 7 cwt. bgs., Order, Fowey; 80 tons, casks, Order, Fowey; Ball, 7,358 tons, 8 cwt. bulk, Order, Fowey; Ground, 169 tons, 17 cwt. bulk, Order, Fowey

CHLORIDE—Magnesium, 363 drs., Brown Bros & Co., Hamburg; 368 drs., Mfgs Trust Co., Hamburg; Calcined, 1,000 casks, Irving Bk.-Col. Tr. Co., Hamburg

COLORS—Aniline, 29 kegs, T B Fortner Co., London

EPSOM SALTS—300 bags, Chas Kurz & Co., Hamburg

GLYCERIN—42 drums, Order, Campana; 98 drums, Order, London

HERBS—52 bales, Order, Trieste

MAGNESITE—14,574 bags, Harbison-Walker Refrac Co., Trieste; 125 kegs, Order, Trieste; Dead Burnt, 35,000 bags, Harbison-Walker Refrac Co., Trieste

OIL—Palm Kernel, 40 casks, Order, Hamburg; Rape, 115 bbls., Order, Hull

POTASH—Caustic, 132 bbls., Harshaw, Fuller, Goodwin Co., Hamburg

PYRITES—7,483 tons, The Pyrites Co., Huelva

QUEBRACHO EXTRACT—1,000 bags, Intern Pulp Co., Buenos Aires

SEED—Clover, 15 bags, Order, Hamburg

SHELLAC—213 bags, Order, Calcutta

SUMAC—700 bags, Order, Palermo

TALC—300 bags, Order, Bordeaux

TANKAGE—2 bags, John E Husby, Santos; 1,643 bags, Order, Campana

IMPORTS AT BOSTON

Jan. 2 to 9

ACID—Oxalic, 82 cks., Order, Hamburg

CASEIN—417 bags, Kalbfleisch Corp., Buenos Aires

CHALK—560 bags, Stanley Doggett Inc., Antwerp

COLOR—Aniline, 1 case, Dyestuffs Corp of America, Liverpool; 9 cks., Dyestuffs Corp of America, Liverpool; 1 keg, Dyestuffs Corp of America, Liverpool

GLAUBER SALTS—600 bags, R & H Chemical Co., Antwerp; 250 bags, Kidder Peabody, Antwerp; 250 bags, Order, Hamburg; 125 bbls., Order, Hamburg

IRON OXIDE—98 cks., Order, Liverpool; 8 cks., L H Butcher Co., Liverpool

OIL—Cod, 200 cks., F L Young Co., St Johns; 100 cks., Wm Litchfield, St Johns; 74 cks., J S Bent St. Johns; 17 cks., Kidder Peabody, St. Johns; 200 cks., F W Damon, St. Johns; 13 bbls., Marden Wild Corp., Halifax; 12 cks., C W Geiler, Halifax; Cod Liver, 100 bbls., Order, Slernmestad; 35 bbls., American Express Co., Slernmestad; Palm, 84 cks., G W Christian, Africa; 420 cks., Irving Bank, Africa

POTASH—20 cks., I M Sobin, Antwerp; Sulfate, 560 bags, Order, Antwerp

SHELLAC—30 bags, Brown Bros., Calcutta

WOOLGREASE—100 bbls., F L Young & Co., Liverpool

IMPORTS AT NEW ORLEANS

Jan. 1 to 8

BONES—Crushed, 1,000,000 lbs., Order, Buenos Aires

GUM—Chicle, 739 sacks, Miss. Warrior Service, Frontera; 152 sacks I C R R, Vera Cruz

OIL—Olive, 710 cases, Order, Barcelona

POTASH—3,391 sacks, Order, Antwerp

QUEBRACHO EXTRACT—386 bags, Order, Rio de Janeiro

SEED—Canary, 362 bags, Order, Santos

IMPORTS AT BALTIMORE

Dec. 31 to Jan. 7

ARSENIC FLOUR—100 drums, 60,500 lbs., F. H Shallus Co., Hamburg

CLAY—Fire, 574 bags, Baltimore and Ohio railroad, Newvian, Antwerp

FLUOR SPAR—49 tons, F H Shallus Co., Manchester

LEUNA SALPETRE—1,588 bags, 349,360 lbs. Kuttroff, Pickhardt & Co., New York, Cape Town Maru, Hamburg

MANGANESE ORE—4,500 tons, Carnegie Steel Co., Antilla

MOLASSES—700,000 gals., Cuba Distilling Co., Manati; 600,000 gals., Cuba Distilling Co., Port Tarafa; 1,300,000 gals., Cuba Distilling Co., Nuevitas

POTASH—63 casks, 48,567 lbs., F H Shallus Co., Hamburg; 56 bbls., 58,498 lbs., Roessler & Hasslacher Chemical Co., Hamburg; Kalnit, 529,023 lbs., Potash Importing Corp., Hamburg; 150,711 lbs., Potash Importing Corp., Hamburg; **Manure Salt**, 400,607 lbs., Potash Importing Co., Hamburg; 799,148 lbs., F H Shallus Co., Hamburg; 20%, 1,905,739 lbs., F H Shallus Co., Hamburg; 30%, 101,290 lbs., F H Shallus Co., Hamburg; 20%, 101,248 lbs., F H Shallus Co., Hamburg; **Muriate**, 750 bags, 150,711 lbs., F H Shallus Co., Hamburg; 6,000 bags, 1,205,688 lbs., F H Shallus Co., Hamburg; 4,000 bags, 803,792 lbs.,

Potash Import Corp., Hamburg; 500 bags, 100,474 lbs., F H Shallus Co., Hamburg; 4,550 bags, 914,313 lbs., F H Shallus Co., Hamburg; 170,685 lbs., Potash Importing Corp., Hamburg; **Sulfate**, 750 bags, 150,711 lbs., Potash Importing Corp., Hamburg; 2,500 bags, 590,513 lbs., F H Shallus Co., Hamburg; 250 bags, 50,237 lbs., F H Shallus Co., Hamburg; 500 bgs, 100,474 lbs., F H Shallus Co., Hamburg; 7,000 bgs., 1,406,812 lbs., Potash Importing Corp., Hamburg; 750 bags, 150,711 lbs., F H Shallus Co.,

SODIUM NITRATE—24,603 bags, 7,700 tons, H J Baker & Bro., Caleta Coloso

IMPORTS AT SAN FRANCISCO

Dec. 25 to Jan. 2

BONES—1,103,490 lbs., Order, Buenos Aires

CASSIA—25 cases, S. L. Jones & Co., Hongkong

DRIED BLOOD—2,160 bags, Order, Buenos Aires; 1,966 bags, Bank of California, N. A., Montevideo

EXTRACT—Quebracho, 2,000 bags, International Products Corp., Buenos Aires; 481 bags, Tannin Corp., Buenos Aires

OILS—Eucalyptus, 20 cases, P. H. Bellingall, Melbourne

POTASH ALUM—100 cases, Balfour, Guthrie & Co., Kobe

RESIN—311 bbls., Maillard & Schmiedell, Acapulco

TANKAGE—1,483 bags, Order, Buenos Aires

TURPENTINE—9 drums, Maillard & Schmiedell, Acapulco

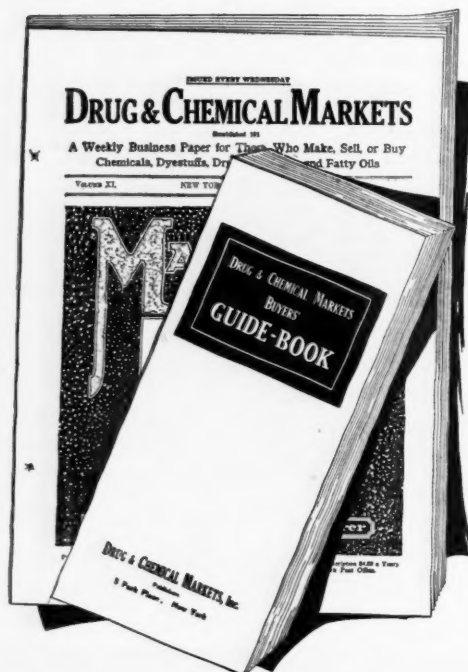
CONCANNON ON FOREIGN MONOPOLIES

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Washington, D. C., Jan. 11—C. C. Concannon, chief of the Chemical Division of the Department of Commerce, appeared before the House Committee on Interstate and Foreign Commerce, last week, in connection with the foreign raw material monopoly investigation. He told the committee that production of nitrates at Muscle Shoals along lines of proposals pending in Congress would make unnecessary further importations, of which 99 per cent came from Chile in 1924.

Mr. Concannon said that iodine, for which there is no substitute, is available to this country, being a by-product of the Chilean nitrate fields, but that potash is almost entirely in the control of Franco-German enterprises. Synthetic production of camphor in this country, from turpentine, he said, would remove the necessity of importations from the Orient.

The following committee chairmen have been appointed by President Greiner, National Wholesale Druggists' Association: Arrangements and Entertainment, W. J. Mooney; Credits and Collections, Lee M. Hutchins; Delivery and Traffic, Walter V. Smith; Drug Market, Max Bakst; Education and Research, A. Kiefer Mayer; Employment and Welfare Problems, H. D. Cowan; Insurance, C. F. Michaels; Legislation, C. Mahlon Kline; Local Associations, Warner James; Membership, J. C. O'Dell; Memorials, H. J. Schnell; Proprietary Goods, Henry D. Faxon; Quality of Medicinal Products, Percy Magnus; Rates and Routes, Romaine Pierson; Salesmen and Selling Methods, W. K. Roth; Special Lines, Wm. Ochse, Trade Marks, Wm. McKinney; Prohibition Problems, Wm. Jay Schieffelin; Uniform Accounting, Wm. Jay Schieffelin, Jr. The following Delegates have also been appointed: To the American Pharmaceutical Association; C. Mahlon Kline, Walter V. Smith, Henry Paul Busch.



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DRUG & CHEMICAL MARKETS

141

EGYPT OFFERS MARKET FOR MEDICINALS

American Remedies Popular—Foreign Makers Have No Local Factories

Egypt offers a market for prepared medicines that is worthy of serious consideration by American manufacturers and exporters, writes Trade Commissioner Richard A. May. The mixed population of about fourteen million are more or less constantly afflicted with minor ailments and the demand for medicines is always present. The imports, which furnish the only available index of consumption, reached a value of 267,596 Egyptian pounds in 1923 against £271,465 for the previous year. This figure can naturally be expected to increase. Small quantities of senna, licorice root and tamarinds are imported every year which doubtless are consumed by local manufacturers. Over one million kilos of other medical plants are imported annually. Nearly 60 per cent of the prescriptions by physicians are for prepared medicines. The United States shares a large portion of this extensive popularity due to the confidence which the Egyptian population feels in the quality and dependability of American goods.

The most successful method of distributing medical preparations is through exclusive sales agents carrying local stock and acting as importer-distributors. In this manner the manufacturer can maintain close control of the market and be assured of a systematic distribution, while from the point of view of the local market, it assures a unified distribution by a firm giving exclusive attention to the article handled. It is considered inadvisable to establish branch factories in view of the low tariffs and transportation charges and the difficulty of obtaining and training the labor fitted for such plants as would be required. At present, no foreign manufacturers have branch factories in the country.

Prepared medicines are subject to the same import tax as other products, 8 per cent, which with dock and other charges, would bring the total up to about 8½ per cent of the declared value. Preparations containing alcohol are subject to a duty of P. T. 20 per liter, alcohol content, in addition to the 8½ per cent levied on the non-alcoholic content. Egypt has no regulatory measures controlling the sale of medicinal preparations and the word "cure" may be used promiscuously.

A device for detecting carbon monoxide, so sensitive that it will record the amount of the gas in a puff of a cigarette, has been devised for use in vehicular tunnels and other places where the presence of carbon monoxide must be guarded against. The device has been perfected by the United States Bureau of Mines, after three years of experiment.

Osmiridium has been discovered in Tasmania, about 100 miles from Hobart, in an uninhabited country. Metal valued at £6,000 has been brought in at £32 per ounce. Licences have been issued to 350 persons to search for the metal.

A deposit of lime at Ramea Brook, on the west coast of Newfoundland, is to be experimentally developed by the Department of Agriculture for the manufacture of fertilizer materials.

The Montreal section of the Society of Chemical Industry, held Dec. 15, was addressed by Dr. Ernest Ginrow on the subject of radium.

An unexpected rush of orders is absorbing practically all the December output of the Michigan copper mines.

ARSENIC SALES ABOUT 12,000 TONS

(Special to Drug & Chemical Markets)

Washington, D. C., Jan. 6.—The production and sales of arsenic in the United States in 1925 nearly equalled the large output made in 1924, according to Victor C. Heikes, of the Bureau of Mines, Department of Commerce. Four companies that produced white arsenic in the United States in 1925 reported sales which amounted to about 12,000 short tons and sold at from 3 to 6 cents a pound. The quantity sold is nearly equal to the total white arsenic produced. About 8,000 tons was reported in stock at the end of the year.

During 1925 about 9,000 tons of white arsenic was imported into the United States as shown by actual figures for ten months and an estimate for the remainder of the year.

Over 1,000 tons of white arsenic was imported in January and in June; during the other months imports averaged around 750 tons. Most of the imported white arsenic came from Mexico and from ports in Germany and lesser amounts came from Canada, Japan, and Southern Rhodesia. The total available white arsenic in the United States during 1925 therefore amounted to about 29,000 short tons.

The producers of white arsenic in the United States in 1925 were the American Smelting & Refining Company, United States Smelting Refining & Mining Company, Anaconda Copper Mining Company, and the Jardine Mining Company.

The price of white arsenic in 1925 as quoted in journals published in New York City ranged from 5¼ cents in January, 4¾ cents in July, 3¾ cents in September and 3¼ cents a pound in December with only an occasional carload being sold.

The factory of A. S. Hinds Co., manufacturers of toilet preparations, in Portland, Maine, was sold last week to the Foreside Development Co. The business of the Hinds Company was sold some time ago to Lehn & Fink, New York.

Treating drinking water with copper sulfate by drawing bags filled with crystals behind boats was found to be too slow at Cheyenne, Wyo., so the material at the rate of 30 lbs. per acre was spread on the ice of the reservoir thereafter at lower cost and less time.

Vick Chemical Co., Greensboro, N. C., presented the employees with \$30,000 worth of stock in the company at a party given on Christmas eve, just before the export department was moved to New York.

The Board of City Commissioners, Red Bank, N. J., is considering preliminary plans for the installation of a new filtration plant to cost approximately \$100,000, with equipment. Fuller & McClintock, 50 Church Street, New York are engineers.

The Baltimore office of Colgate & Co., held a sales conference Dec. 29 and 30. One evening of the conference was turned over to a bowling contest and theatre party.

Dickinson, Renouf & Co., Inc., New York, have sent to their trade a large sheet showing twelve fishing scenes in color to serve as a calendar for 1926.

Prussian Government has withdrawn its objection to the deal negotiated by Harriman and Anaconda interests with the George von Giesehe heirs for the exploitation of the zinc mines of Upper Silesia.

Contracts Awarded

Eli Lilly & Co., Indianapolis, have been awarded a government contract for 75,000 gelatin capsules at 65c a thousand.

Explosive Chemical Co. has been awarded a contract to supply the District of Columbia government with peppermint at \$29.73.

The Veterans' Bureau has awarded a contract for 200 bottles sulfuric acid to Chas. Cooper & Co., at \$62.

Wing & Evans Inc., St. Louis, have been awarded a government contract for 43,000 lb soda ash at 2.28c lb.

Leon Hirsh & Son, have been awarded a government contract to supply 25,000 tubes calcium hypochlorite at 1.65c.

Methyl alcohol imports in France during 1924 totaled 245 tons of crude, and 1,874 tons of rectified; against 251 tons of crude, and 2,049 of rectified for 1923; and 152, and 6,620 tons for 1922. Acetone imports were 857 tons for 1926; 931 for 1923; and 967 for 1922. Formaldehyde imports totaled 234 tons in 1924; 1,420 in 1923; and 188 in 1922.

Exports of sulfur from Sicily during the first six months of the past year were 177,680 tons compared with 182,727 tons for the corresponding period in 1924. Stocks on hand June 30 were 105,726 against 170,638 at the same time last year.

European producers of calcium cyanamide are reported to have effected an organization to extend the use of this fertilizer in the principal agricultural countries. Headquarters are in London. Branch offices will be established in other countries.

Hexamethylenetetramine may be prepared by causing methylene chloride to react with liquid ammonia under pressure at high temperature, using ammonia in excess and recovering it as ammonium chloride, according to British patent 234,192.

The steamer W. R. Chamberlin Jr., which recently arrived at San Francisco from New York, had a cargo which included 120 tons rosin, 4 tons soda, 90 tons caustic soda, 35 tons ferro chrome, 35 tons soap and 35 tons soda ash.

Production of synthetic nitrogen compounds by Norsk Hydroelektrisk Kaelstof A-S, Norway, for the year ended June 1925 was 15 per cent above the previous year's production. A 13 per cent dividend has been declared.

A deposit of arseno-pyrite of considerable size recently discovered in the vicinity of Mount Uniacke, Nova Scotia, has been assayed at Nova Scotia Technical College, Halifax, and has been found to contain 35.6 per cent arsenic.

The commercial exploitation of the alkali lakes of Saskatchewan for the salt cake is being pushed by American and Canadian companies and large shipments have already been made.

The total imports of caustic soda into New Zealand during 1924 aggregated 1,184 tons. Of this amount the United Kingdom supplies 1,160 tons. It is used in New Zealand chiefly by soap manufacturers.

SOME ITALIAN DYES LOWER

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, Dec. 26—War reparation dyes are still well treated. Certain colors needed for wool, cotton and silk dyeing still are lacking, and local producers are benefiting by the situation, and doing a very fair business. Quotations are as follows per 100 kilos: Naphthol yellow, 4,500 to 7,000 lire; auramine; 6,500 to 7,500; orange II, 1,700 to 2,000 lire; nigrosine, water soluble, 3,000 to 3,800 lire; nigrosine, soluble in alcohol, 3,300 to 4,000 lire; sulfur black, 700 to 1,100 lire, acid black, 1,600 to 2,300 lire; direct black, 1,700 to 2,400 lire; chrome black, 2,200 to 2,800 lire; methylene blue, 8,200 to 9,700 lire; direct blue, 1,600 to 2,000 lire; sulfur blue, 2,000 to 2,400 lire; malachite green, 7,500 to 9,700 lire; acid green, 6,500 to 7,500 lire; direct green, 2,000 to 2,600 lire; Bismarck brown, 2,800 to 3,200 lire; Magenta crystals, 7,500 to 8,600 lire; Methyl violet, 7,000 to 8,600 lire; Magenta crystals, 7,500 to 8,600 lire; Eosine, 5,500 to 8,000 lire.

HOUSE ADOPTS SHOALS RESOLUTION

(Special to DRUG & CHEMICAL MARKETS)

Washington, Jan. 11—The House of Representatives has adopted a resolution providing for the appointment of a joint congressional committee to negotiate for the lease of Muscle Shoals.

Boston, Mass., January 6—There has been a very good demand for denatured alcohol due to the cold weather but apart from this the chemical and dyestuff trade of Boston has been decidedly inactive during the week. Prices are nominal, but there is no reason to believe that there is any decline. Tanning materials, which have been much neglected for several weeks, are expected to become more active before the month is very old, as tanners are finding more business.

"Blasting Accessories," an illustrated booklet of 80 pages, is being distributed by E. I. du Pont de Nemours & Co. It gives complete and detailed data on various accessories necessary for firing charges of explosives, together with the best methods of using those accessories.

In addition to the domestic production, about 1,500 tons of imported caustic soda are required annually in Austria. Imports in the past have been received principally from Switzerland, Great Britain, Italy, Czechoslovakia, Rumania and Hungary. According to a report, a large order was recently placed for Russian caustic soda.

Copper sulphate production in Yugoslavia has been handicapped by the expensive process employed. The principal factory of the kingdom located at Subotica, has revised its process and expects to produce 6,000 to 8,000 metric tons during 1926 and a sufficient supply for the entire country in 1927.

The Ceylon Legislature has exempted from import duty the following explosives: blasting gelatine, gelignite, dynamite, blasting gunpowder, fuses and detonates. It is also announced that the export duty of 3% ad valorem on plumbago has been removed.

DuPont Everdur Co., Wilmington, Del., has issued a booklet describing in detail the important facts about Everdur metal.

Rich deposits of radium bearing ore are reported to have been discovered in Belgian Congo.

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VOLUME XIII, No. 1

In This Issue How the Flexible By C. R. ...

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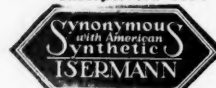
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MISCELLANEOUS BIDS are wanted by the following: January 14, Cir. 122-GS, by the quartermaster intermediate depot, Chicago, for 40,000 lbs., red lead, 1,249 gals. linseed oil. By the Bureau of Supply, Treasury Dept., Washington, opening of January 14, Cir. 2894, 5 kilo phosphotungstic acid. Cir. 2899, 129 lbs. pyrethrum powder, 8 lbs oil of mirbane and 12 oz. do. Cir. 2900. Drugs. By the purchase and issue subdivision, veterans bureau, Washington. Cir. 151. Large quantity of drugs and chemicals, opening of January 18.

NAVAL SUPPLIES—Bids are wanted, opening of January 14, by the bureau of supplies and accounts, Navy Department, Washington, for Sched. 4867, Washington, 500 lbs., citrate of iron and ammonia and 1,000 lbs. ferric ammonium oxalate.

HYDRATED LIME—The U. S. engineer, P. O. Box 72, Louisville, Ky., will open bids January 22 for 1,180 tons hydrated lime.

Business Opportunities

A NEW YORK JOBBING ORGANIZATION covering New York, New Jersey, Brooklyn, Connecticut, and selling to the Textile, Paint, Ink, Glass, Leather and Rubber Industries, is adding a limited number of products to its present line. Storage facilities, and a live organization. Manufacturers of products employed in these fields desirous of representation in territories outlined will find it to their advantage to communicate with Box 360 **DRUG & CHEMICAL MARKETS**.

Business Opportunities

YOUR SALES of established products increased or markets created for new articles by the application of sound, successful methods. Our ideas are used by firms of the highest standing to profitably expand their business. Consultation involves no obligation. Box 357 **DRUG & CHEMICAL MARKETS**.

AFTER 13 YEARS SELLING for one firm: Chemicals, Dyestuffs and Finishes to Textile and Leather Manufacturers, have established own business in New York. Need additional capital preferable with services. Have good following. Excellent opportunity for right party to share my knowledge of the business. State amount at your disposal. Would also consider merger with another firm. Box 358 **DRUG & CHEMICAL MARKETS**.

EXPERIENCED CHEMIST would like to take an active part in a good analytical chemical laboratory. Have about a thousand dollars to invest. Box 359 **DRUG & CHEMICAL MARKETS**.

SALESMAN—well recommended for the sale of our solvents and plasticizers to lacquer manufacturers in the Metropolitan District. Give in confidence full details regarding education, past experience, and salary requirements. Kessler Chemical Company, Orange, New Jersey.

PAPER BOX MAKERS—List of 1,000 Paper Box manufacturers for sale. Complete on Belknap stencils, ready for use. \$10.00. Box 317 **DRUG & CHEMICAL MARKETS**.

Situations Wanted

SALES DEVELOPMENT—Chemical Engineer with advertising and marketing training experienced in development and investigation of markets for chemical products. Box 362 **DRUG & CHEMICAL MARKETS**.

SALESMAN—Dyestuffs of proved ability, expert, 15 years experience, formerly Agency Manager of large German Concern, knowing thoroughly Mexican and Spanish Dye business and customers, entirely free at 1st of January, desires to make arrangement with important manufacturers. Box 351 **DRUG & CHEMICAL MARKETS**.

PLEASE REFER TO PAGE 111.

DYESTUFFS—Intermediates — Pharmacuticals — German Chemist engaged for 18 years with the largest plants in Germany, now in this country, seeks opportunity to exploit his knowledge. Box 352 **DRUG & CHEMICAL MARKETS**.

CAN MAKE A GOOD LINE of vat colors and specialties in AZO colors which sell at good profit and have not much competition. Have years of executive, research and manufacturing experience, am holding a very responsible position but want to make a change. I would like to hear particularly from dyestuff plants financially sound but are not making satisfactory progress. For particulars, address Box 353 **DRUG & CHEMICAL MARKETS**.

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Help Wanted

YOUNG MAN with clientele in Industrial Chemical field is offered excellent opportunity in established commission business. Box 361 **DRUG & CHEMICAL MARKETS.**

WANTED—Capable Manager—Director experienced in Vanilla, Essential Oils, etc. Also a good salesman to call on soap, perfume and flavoring extract trade. The men we desire are now employed—responsible positions at good salaries but with limited opportunities. Give age, experience, references, salary expected. Correspondence confidential. W. T. Rawleigh Co., Freeport, Illinois.

AN ESTABLISHED NEW YORK HOUSE wants a sales director experienced directing sales of pharmaceuticals, specialties, ampoules, glandulars, etc., to physicians. A good position for a high-grade competent man. Write qualifications and experience in confidence to Box 337 **DRUG & CHEMICAL MARKETS.**

CHEMIST WANTED—A young man who has had some experience in the Grocery Specialties, Baker's Supplies, and in making baking powders; meringue powders, cake mixes, extracts, and practically everything in food products. A wonderful chance for the right man for advancement if he is a willing and good worker. This position is in the Western territory. Box 338 **DRUG & CHEMICAL MARKETS.**

SALESMAN—Aggressive, experienced man, familiar with heavy chemicals, to sell consuming industries in New England, out of Boston. Salary and Commission, with expenses, and allowance for running a car, to the right man. Must give full particulars in first letter. Address "Cronkhite", 310 Congress Street, Boston, Mass.

Drugs and Chemicals

WOOD FLOUR—importer desires to make contracts with consumers of Wood Flour for 1926. Box 345 **DRUG & CHEMICAL MARKETS.**

ROSIN WANTED—Three to five tons "G" grade or better. Address Box 346 **DRUG & CHEMICAL MARKETS,** with price.

CRUDE DRUGS—Hamburg shippers desire agent or agents in the United States to represent them in sale of botanicals in a large way. Box 340 **DRUG & CHEMICAL MARKETS**

ORTHO NITRO PHENOL—What can you offer us for 287 lbs. ortho-nitro-phenol of good quality? Box 309 **DRUG & CHEMICAL MARKETS.**

CAN FURNISH prime Cascara bark in car-load lots; 1924 and 1925 peel for immediate delivery. C. F. Huffman, Crescent City, Calif.

Miscellaneous

EMPTY CAPSULES—We offer Parke Davis & Co. or Eli Lilly & Co. No. 1 and No. 2 in original 100 to box; 5c per box, delivered. Lawrence Drug Company, 114 Lawrence St., Brooklyn, N. Y.

FOR SALE—Complete files of DRUG & CHEMICAL MARKETS, unbound, \$5.00 a volume.

Plant Equipment**WANTED**

USED OLIVER FILTERS—Size about 8x12 all steel—give detail description with location and price. Box 356 **DRUG & CHEMICAL MARKETS.**

WANTED—An upright tank with or without agitator and heating coil. Approximate capacity 50 barrels. Address Neutrasol Products Corporation, 41 Park Row, New York, N. Y.

WANTED—chemist's table with sink attachment, balance and cabinets for storing collections, second hand. Box 344 **DRUG & CHEMICAL MARKETS.**

WE have for sale the following list of machinery. Terms cash.

1 22" Schultz O'Neil Mill with Dust Box
1 28" " " Mills
3 20" " " Mills
1 Day Size C Sifter and Mixer
1 Abbe No. 2 Cutter
1 Bullock 100 H. P. 220 V. 204 Amp. 60 cycle
680 R. P., Motor
1 Sprague 75 H. P. 110 V. D. C. 420 R. P. M. Motor
1 Mitts & Merrill Dye Wood Cutter or "H g" complete with shaft. Box 310 **DRUG & CHEMICAL MARKETS.**

MACHINERY WANTED—In the market to purchase pharmaceutical manufacturing equipment such as bottle filling machine, mixing tank, pump, bottle washer, percolators, ointment filling machine, laboratory glassware, and other manufacturing equipment; in reply give prices and descriptions. Address Box 313 **DRUG & CHEMICAL MARKETS**

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Research has already opened wide outlets for our products in the Lacquer, Cellulose and Rubber fields.

Undoubtedly the solvent power, blending effect or some other characteristic of BUTANOL, ACETONE or derivatives of these products, will make these relatively new materials useful in many other fields.

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AMERICAN TRONA CORP.

Woolworth Building, New York City

Index to Advertisers

American British Chemical Supplies, Inc.	40
American Cyanamid Co.	120
American Tel. & Tel. Co.	3rd Cover
American Trona Corp.	148
Arkell Safety Bag Co.	66
Arnold Hoffman Co.	—
Atkins & Co., E.	135
Atlas Collapsible Tube Co.	130
B. & W. Co.	46
Baird & McGuire	129
Barlow, Joe	145
Barrett Co., The	127
Bemis Bro. Bag Co.	67
Benkert & Co., W.	147
Benner Chemical Co.	144
Berg Industrial Alcohol Co., David	129
Bromund Co., E. A.	—
Bush, Burton T.	80
Cabot, Godfrey L.	—
Calco Chemical Co.	—
Campbell & Co., John	53
Capes Viscose	—
Carbide & Carbon Chemicals Corp.	35
Carlton, A. S.	—
Chemical Utilities Co.	145
Chemical Works "Naarden"	132
Church & Dwight	132
Chemische Fabrik (Dr. Hugo Stoltzenberg)	57
Clegg Chemical Co.	70
Cleveland-Cliffs Co., The	114
Clifton Chemical Co.	—
Coignet Chemical Product Co.	146
Commercial Solvents Co.	148
Compagnie Duval	131
Consolidated Products Co.	146
Consumers Chemical Co.	145
Cooper & Co., Charles	111
Coyne Chem Co., Geo. S.	145
Crepe Kraft Co.	—
Cronkhite Inc., Leonard W.	144
Croton Chemical Corp.	40
Daigger & Co., A.	144
Dey & Co., William H.	55
Diamond Alkali Co.	124
Doe & Ingalls	144
Dovan Chemical Corp.	42
Dow Chem. Corp., The	79
Dreyer, P. R.	129
Drury & Co., A. C.	144
DuPont de Nemours & Co.	126
Eastman Kodak Co.	54
Economic Machinery Co.	82
Electro Bleaching Gas Co.	150
Excelsior Wrapper Co.	123
Federal Products Co., The	130
Fergusson Jr., Alex. C.	145
Fetter Steel Barrel Corp.	70
Fougera & Co., E.	—
Fries & Fries Co.	137
Fritzsche Bros.	134
General Chemical Co.	113
General Dyestuff Corp.	—
Girard & Co.	137
Grasselli Chemical Co.	81
Gray & Co., William S.	138
Graybar Electric Co.	7, 8
Greeff & Co., R. W.	120
Hammill & Gillespie	43
Howe & French	144
Hydrocarbon Products Co.	4

(Continued on page 150)



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for its high test
and uniform
quality."*

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Caustic Soda

Bicarbonate of Soda

The Michigan Alkali Co.

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Index To Advertisers

(Continued)

Industrial Chemical Co.	135
Innis Speiden & Co., Inc.	121
Jordan, Wm. E. & Bro.	130
Kessler Chemical Co., The	146
King & Co., E. & F.	144
Knight Corp., Chas.	—
Lewis Mfg. Co., F. J.	146
Magnus, Mabey & Reynard Inc.	135
Mallinckrodt Chemical Works	118
Mann & Co., George	145
Mathieson Alkali Works	1st Cover
Merchants Chemical Co.	144
Merck & Co.	—
Merrimac Chemical Co.	—
Michigan Alkali Co.	149
Millard-Heath Co.	145
Miner-Edgar Co., The	112
Monarch-Nusbaum Paper Box Co.	119
Monsanto Chemical Works	2nd Cover
Morana, Incorporated	136
Morgenstern & Co.	131
Newport Chemical Works	127
New York Quinine & Chemical Works	117
Niagara Alkali Co.	150
Norvell Chemical Corp.	132
Owens Bottle Co.	4th Cover
Pacific Coast Borax Co.	148
Parsons & Petit	46
Penick & Co., S. B.	131
Pfaltz & Bauer	71
Pickwick Arms	128
Pierce & Stevens	145
Powers-Weightman-Rosengarten Co.	111
Pressman Company B.	129
Raab & Co., H.	—
Rhodia Chemical Co.	136
Robins & Co., G. S.	145
Robins & Co., G. S.	145
Rodgers Chemical Co.	145
Roessler & Hasslacher Chemical Co., The	—
Rogers & McClellan	144
Rohm & Haas Co.	116
Rolls Chemical Co.	69
Ross-Gould Co.	145
Seaboard Chemical Co.	133
Seeley & Co.	146
Sherwin-Williams Co.	146
Sjostrom, C. G. V.	—
Solvay Process Co.	125
Standard Publicity Co.	138
Starkweather Co. J. U.	—
Steffens, G. A.	133
Sterling Products Co.	115
Stoyanoff, Gerli & Co.	—
Technical Economist Corp.	146
Thompson, Hayward Chemical Co., The	145
Uhe, George	137
Ulrich Chemical Co., The	144
Ungerer & Co.	134
U. S. Industrial Alcohol Co.	—
U. S. Industrial Chemical Co.	—
Van Dyk & Co.	146
Victor Chemical Works	121
Warner Chemical Co.	6
Wilson Labs.	118
Wing & Evans	125
Winkler & Bros. Co., Isaac	126
Wirz, A. H.	122
Wishnick-Tumpeier Chem. Co.	144
Wrackmeyer & Co.	130

Each **26** CENTS
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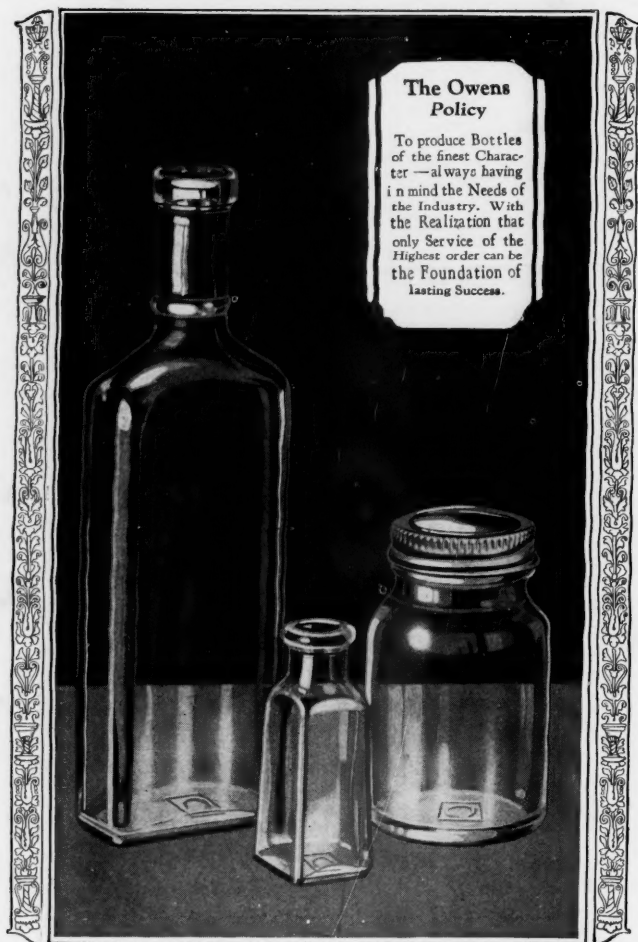
your men? Are your salesmen trained to telephone to customers and prospects they cannot reach in person? Long Distance gets things done at a saving of time and travel. By its importance, a long distance call gets attention. By its obvious desire to serve, it builds good-will.

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The Owens Bottle Company — Toledo

Owens Bottles
Owens Machine Made - by Owens

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